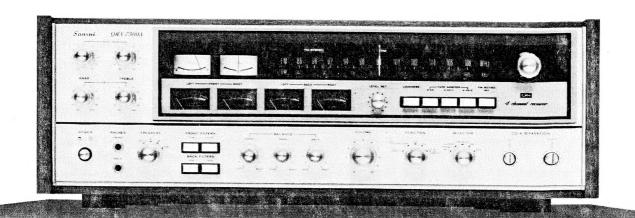
SERVICE MANUAL

4-CHANNEL RECEIVER

SANSUI QRX-5500A QRX-7500A





SANSUI ELECTRIC CO., LTD.

This service manual is designed for service engineers to repair, adjust, maintain and order the replacement parts of the QRX-5500A, QRX-7500A correctly.

When ordering the parts, use the stock number and parts name specifically referring to the Parts Location and Parts Lists.

For general usage and maintenance of the unit, please refer to the Operating Instructions attached with the unit.

TABLE OF CONTENTS.

Sect	io n	Title Pag	ge Section	n	Title	Page	е
1.	SPE	CIFICATION3		1-11 .	F-2048 Vario-Matrix Circuit Bo	ard 23, 24	
	1.1.	QRX-5500A 3		1-12.	F-1489 Mixing & Accessory Cir	cuit Board 24	
	1.2	QRX-7500A4		1-13 .	F-1514 Driver Circuit Board	25	
2.	BLO	CK DIAGRAM5		1-14.	F-1482 Driver Circuit Board	26	
		QRX-5500A 5, 6		1-15.	F-2589 Equalizer & CD-4 Circu	it Board 27	
		QRX-7500A			F-1472 Equalizer Circuit Board		
3		SNMENTS AND ADJUSTMENTS9			F-1486 Filter Circuit Board		
٥.	3-1.	Regulated Power Supply Board Adjustment9			F-1490 De-emphasis Circuit Bo		
	3-2.	Level Meter Adjustment9		1-19 .	Figures	29	
	3-3.	Driver Circuit Board Adjustment10			READING OF DIAL CORD		
	3-4.	FM IF Alignment11			IER PARTS		
	3-5.	FM Dial Calibration and RF Alignment 11, 12		5 -1 .	Other Parts (Top Side)/QRX-55		
	3-6.	FM Signal Meter, Mono Distortion,		5 - 2.			
	3-0.	Tune Meter and Muting Adjustment12		6-3.	(
	2.7	9 ,		5 -4 .	Other Parts (Front Side)/QRX-7		
	3-7.	MPX Alignment		6-5.	Other Parts (Top Side)/QRX-75		
	3-8.	AM IF, Dial Calibration, RF and			Other Parts (Bottom Side)/QRX		
_		Signal Meter Alignment			KING LIST		
4.		RTS LOCATIONS AND PARTS LIST15		7-1.	QRX-5500A		
		F-1517 Tuner Circuit Board 15, 16			QRX-7500A		
		F-1515 Protector & Power Circuit Board 17, 18	8.	ACC	ESSORY PARTS LIST		
		F-1488 Connector Joint Circuit Board18		B -1 .	QRX-5500A		
	4-4.	F-1470 Illumination Unit Circuit Board18		B -2 .	QRX-7500A		
	4-5.	F-1485 Meter Circuit Board19	9.	SCH	EMATIC DIAGRAM		
	4-6.	F-1483 Protector & Power Circuit Board20		9-1.	QRX-5500A (TUNER SECTION)		
	4-7.	F-1516 Accessory Circuit Board20		9-2.	QRX-5500A (AUDIO SECTION		
	4-8.	F-1487 Volume Circuit Board20		9-3.	QRX-7500A (TUNER SECTION)		
	4-9.	F-1484 Tone Control Circuit Board21		9 -4 .	QRX-7500A (AUDIO SECTION		
	4-10	. F-2084 QS Vario-Matrix Circuit Board21, 22		9-5.	QRX-7500A EQUALIZER & CD	-4 SECTION 42	

1. SPECIFICATIONS

1-1. QRX-5500A

AUDIO SECTION
AUDIO SECTION
POWER OUTPUT
Min. RMS, all channels driven, from 20 to 20,000Hz,
with no more than 0.5% total harmonic distortion
27 watts per channel into 8 ohms
LOAD IMPEDANCE8 ohms
POWER BANDWIDTH 20 to 20,000Hz at or rated
min. RMS power output
min. KWS power output
and total harmonic distor-
tion
TOTAL HARMONIC DISTORTION
OVERALL (from AUX)less than 0.5% at or rated
min. RMS power output
INTERMODURATION DISTORTION
(70Hz: 7,000Hz=4:1 SMPTE method)
OVERALL (from AUX)less than 0.5% at rated min.
RMS power output
DAMPING FACTOR40 (8 Ω)
INPUT SENSITIVITY AND IMPEDANCE
(1,000Hz, for rated power output)
2-CHANNEL PHONO-1, 22.5mV $50k\Omega$
(Max. input capability; 250mV at 0.5% distortion)
2-CHANNEL TAPE
PLAY Pin Jacks100mV $50k\Omega$
REC/PLAY DIN Socket 100mV 50 k Ω
4-Channel aux100mV 50k Ω
4-CHANNEL TAPE-1, 2
PLAY Pin Jacks100mV $50k\Omega$
1116 (1 1)
MIC (monophonic)
MIC (monophonic)2.5mV $10k\Omega$
RECORDING OUTPUT
RECORDING OUTPUT 2-CHANNEL TAPE
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks100mV
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks100mV
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks100mV REC/PLAY DIN Socket30mV
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks100mV REC/PLAY DIN Socket30mV 4-CHANNAL TAPE-1, 2
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks100mV REC/PLAY DIN Socket30mV 4-CHANNAL TAPE-1, 2 REC Pin Jacks100mV
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks100mV REC/PLAY DIN Socket30mV 4-CHANNAL TAPE-1, 2 REC Pin Jacks100mV FREQUENCY RESPONSE (at 1 Watt output)
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks100mV REC/PLAY DIN Socket30mV 4-CHANNAL TAPE-1, 2 REC Pin Jacks100mV FREQUENCY RESPONSE (at 1 Watt output)
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks100mV REC/PLAY DIN Socket30mV 4-CHANNAL TAPE-1, 2 REC Pin Jacks100mV FREQUENCY RESPONSE (at 1 Watt output) OVERALL (from 4-CHANNEL AUX)
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks100mV REC/PLAY DIN Socket30mV 4-CHANNAL TAPE-1, 2 REC Pin Jacks100mV FREQUENCY RESPONSE (at 1 Watt output) OVERALL (from 4-CHANNEL AUX)
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks100mV REC/PLAY DIN Socket30mV 4-CHANNAL TAPE-1, 2 REC Pin Jacks100mV FREQUENCY RESPONSE (at 1 Watt output) OVERALL (from 4-CHANNEL AUX)
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks
RECORDING OUTPUT 2-CHANNEL TAPE REC Pin Jacks

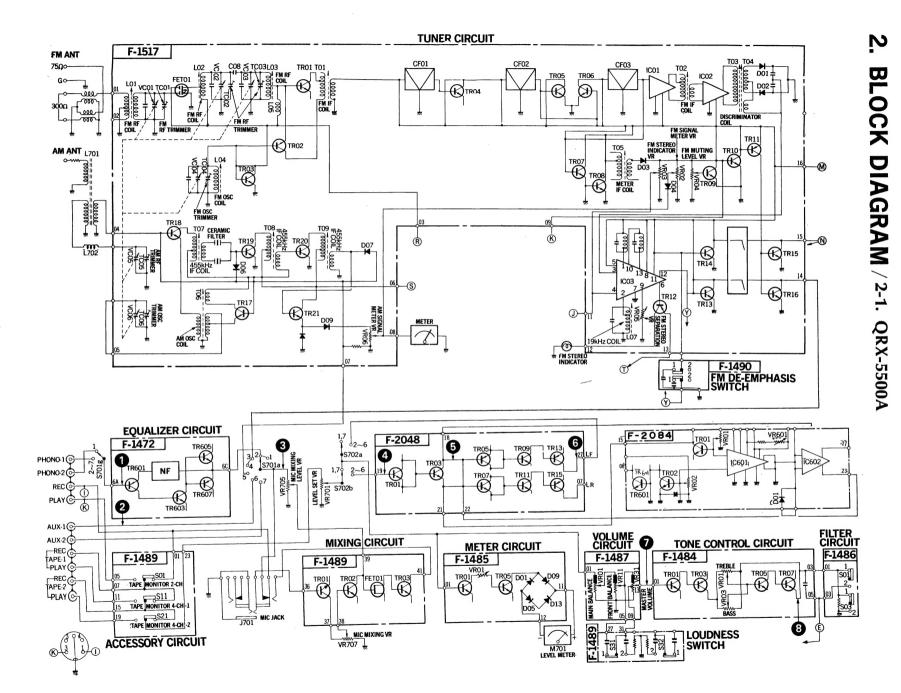
cuit.

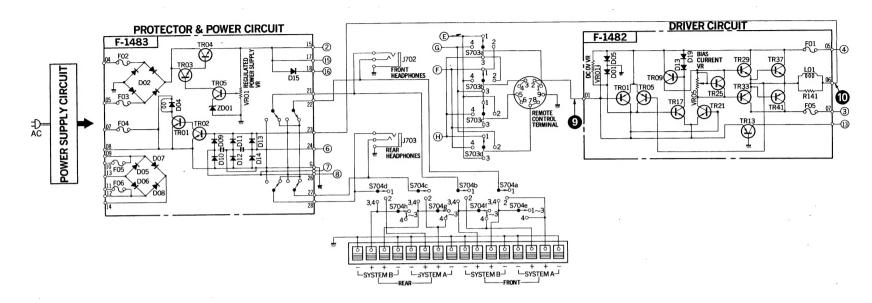
TUNER SECTION

<fm></fm>
TUNING RANGE88 to 108MHz
SENSITIVITY (IHF) 1.9μV
(DIN)1.1μV
(Max. input capability: 120dB)
SIGNAL TO NOISE RATIO (mono)
better than 65dB
CAPTURE RATIO (IHF)less than 2.0dB
IMAGE REJECTION better than 75dB
IF REJECTIONbetter than 90dB
SPURIOUS RESPONSE REJECTION
better than 80dB
SELECTIVITYbetter than 60dB
TOTAL HARMONIC DISTORTION
Monoless than 0.3%
Stereoless than 0.5%
STEREO SEPARATIONbetter than 37dB
FREQUENCY RESPONSE30 to 15,000Hz ^{+1:0} _{-3.0} dB
ANTENNA IMPEDANCE300 Ω balanced, 75 Ω
unbalanced
<am></am>
TUNING RANGE535 to 1,605kHz
SENSITIVITY (bar antenna) 50dB/m
IMAGE REJECTION better than 80dB
IF REJECTION better than 80dB
SELECTIVITY25dB
OTHERS
OTHERS
POWER REQUIREMENTS
Voltage
Consumption140W (rated), 400VA (max.)
DIMENSIONS594mm (233/8") W
203mm (8") H
370mm (14%) D
WEIGHT21.6 kg (47.5 lbs) Net
24.8 kg (54.6 lbs) Packed

^{*} Design and specifications subject to change without notice for improvements.

1-2. QRX-7500A	
AUDIO SECTION	SYNTHESIZER/DECODER QS regular matrix system
POWER OUTPUT	with QS vario-matrix cir-
Min. RMS, all channels driven, from 20 to 20,000Hz,	cuit.
with no more than 0.3% total harmonic distortion.	CD-4 DEMODULATOR
30 watts per channel into 8 ohms	Input Sensitivity2.5mV (1 to 10mV adjustable)
Min. RMS, all channels driven, at 1kHz, with no more than 0.3% total harmonic distortion	Input Impedance50k Ω
35 watts per channel into 8 ohms	Frequency Response (STD test signal)
LOAD IMPEDANCE8 ohms	Main-Channel30 to 15,000Hz $^{+0.5}_{-3.0}$ dB
POWER BANDWIDTH 20 to 20,000Hz at or rated min. RMS power output	Sub-Channel30 to 10,000Hz ^{+1.0} _{-5.0} dB
and total harmonic distor-	TUNER SECTION
tion	<fm></fm>
TOTAL HARMONIC DISTORTION	TUNING RANGE88 to 108MHz
OVERALL (from AUX)less than 0.3% at or rated	SENSITIVITY (IHF)1.9 μ V
min. RMS power output INTERMODURATION DISTORTION	(DIN)1.1μV
(70Hz: 7,000Hz=4:1 SMPTE method)	(Max. input capability: 120dB)
OVERALL (from AUX)less than 0.3% at rated min,	SIGNAL TO NOISE RATIO (mono)
RMS power output	better than 65dB
DAMPING FACTOR40 (8 Ω)	CAPTURE RATIO (IHF)less than 2.0dB
INPUT SENSITIVITY AND IMPEDANCE	IMAGE REJECTION better than 75dB
(1,000Hz, for rated power output)	IF REJECTIONbetter than 90dB SPURIOUS RESPONSE REJECTION
2-CHANNEL PHONO-1, 2	better than 80dB
······2.5mV 50kΩ	SELECTIVITYbetter than 60dB
(Max. input capability; 150mV at 0.5% distortion)	TOTAL HARMONIC DISTORTION
2-CHANNEL TAPE	Monoless than 0.3%
PLAY Pin Jacks100mV $50k\Omega$	Stereoless than 0.5%
REC/PLAY DIN Socket 100 mV 50 k Ω	STEREO SEPARATIONbetter than 37dB
4-CHANNEL AUX-LOW \dots 100mV 50k Ω	FREQUENCY RESPONSE 30 to 15,000Hz $^{+1.0}_{-3.0}$ dB
AUX-HIGH \dots 200mV 100k Ω	ANTENNA IMPEDANCE300 Ω balanced,
4-CHANNEL TAPE-1, 2	75Ω unbalanced
PLAY Pin Jacks100mV $50k\Omega$	<am></am>
RECORDING OUTPUT	TUNING RANGE535 to 1,605kHz
2-CHANNEL TAPE	SENSITIVITY (bar antenna)50dB/m
REC Pin Jacks100mV	IMAGE REJECTION better than 80dB
REC/PLAY DIN Socket30mV	IF REJECTION better than 80dB
4-CHANNEL TAPE-1, 2	SELECTIVITY25dB
REC Pin Jacks100mV	
FREQUENCY RESPONSE (at 1 Watt output)	OTHERS
OVERALL (from 4-CHANNEL AUX)	POWER REQUIREMENTS
30 to 30,000Hz ^{+1.0} _{-1.5} dB	Voltage100, 120, 220, 240V 50/60Hz
EQUALIZATION (RIAA curve)	Consumption
30 to 15,000Hz ±1.0dB	DIMENSIONS
CROSSTALK (FUNCTION control: 2-CH, 1,000Hz)	203mm (8") H
better than 50dB	370mm (14%/6") D
HUM AND NOISE (IHF)	WEIGHT22.4 kg (48.0 lbs.)
2-CHANNEL PHONObetter than 70dB	25.0 kg (55.0 lbs.)
4-CHANNEL AUXbetter than 80dB	
SWITCHES AND CONTROLS	
BASS+12dB, -12dB at 50Hz	
TREBLE+12dB, -12dB at 15,000Hz LOUDNESS+8dB at 50Hz,	
+3dB at 10,000Hz	
+ 3db at 10,000Hz LOW FILTER10dB at 50Hz (6dB/oct.)	
HIGH FILTER—10dB at 10,000Hz	
(6dB/oct.)	 Design and specifications subject to change without notice for improvements.
(000) 000.)	



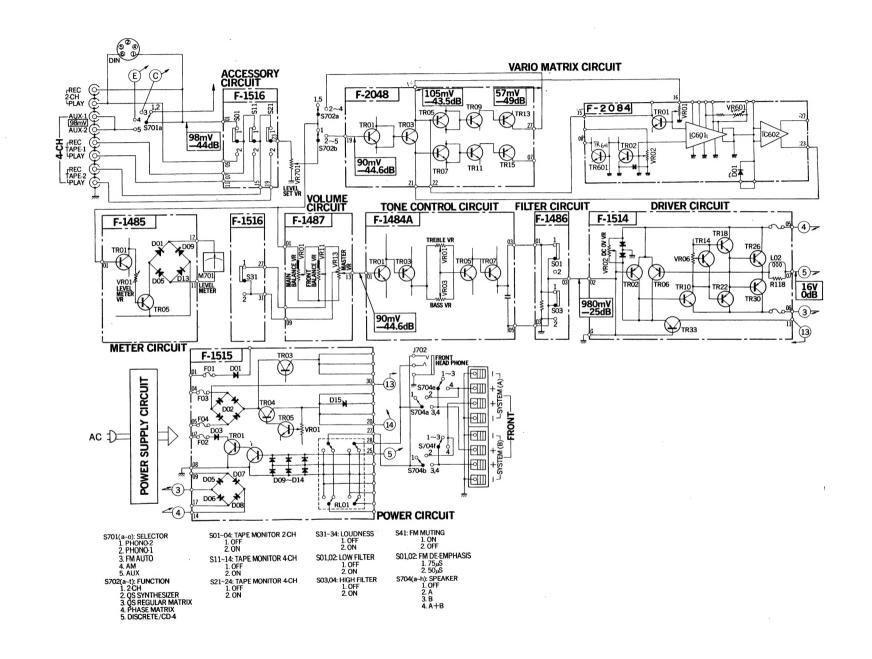


S01 ~ 04: TAPE MONITOR	S03, 04: HIGH FILTER	S11~14: TAPE MONITOR		S701a ~ o : SELECTOR	S702a ~ t : FUNCTION	S703a~d: DIRECTION	S704a~h: SPEAKER 1. OFF
2-CH	1. OFF	4-CH-1	1. OFF	1. PHONO-2	1. 2-CH		
1. OFF	2. ON	1. OFF	2. ON	2. PHONO-1	2. QS SYNTHESIZER HALL	2. RIGHT QUARTER TURN	
2. ON	SO1. 02: FM DE-EMPHASIS	2. ON	S41 : FM MUTING	3. FM AUTO	3. QS SYNTHESIZER SURROUND	3. HALF TURN	3. B
SO1. 02: LOW FILTER	1. 75ns	S21~24: TAPE MONITOR	i. OFF	4. FM MONO	4. QS REGULAR MATRIX HALL	4. LEFT QUARTER TURN	4. A+B
1. OFF	2. 50 ns	4-CH-2	2. ON	5. AM	QS REGULAR MATRIX SURROUND		
2. ON		1. OFF		4-CH AUX-1	6. PHASE MATRIX		
2. 0.1		2 ON		7. 4-CH AUX-2	7. DISCRETE		

QRX-7500A

TUNER CIRCUIT

7



3. ALIGNMENTS AND ADJUSTMENTS

(QRX-5500A, QRX-7500A Common)

Abbreviation

Equipment	Others
AM FM Generator OscilloscopeGenescope	ClockwiseCW.
AM Standard Signal GeneratorAM SSG	Counterclockwise
FM Standard Signal GeneratorFM SSG	AntennaANT.
FM Stereo GeneratorStereo SG	ModulationMOD.
OscilloscopeScope	
Audio OscillatorAudio Osci.	
Distortion MeterDist. Meter	

3-1. Regulated Power Supply Board Adjustment (See Fig. 3-1)

Note: 1. FunctionQS Synthesizer	
2. Master VolumeMinimum	*F-1483QRX-5500A
3. Confirm the AC Power Supply voltage.	*F-1515QRX-7500A

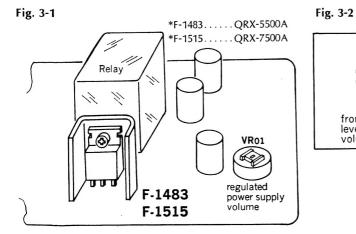
STEP	SUBJECT	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
1	Regulated Power Supply	DC volt meter	F-1515, F-1483 terminal 18	F-1515 VR01 F-1483	25±0.1V	

3-2. Level Meter Adjustment (See Fig. 3-2)

Note: 1.	Function
2.	SelectorAUX-1
3.	Master VolumeMinimum
4.	Level Set VolumeMaximum

5. For adjustment, run the unit for more than 2 minutes after the power is switched on.

STEP	CURIECT	FEED SIGNAL		MEASURE	ADJUST	ADJUST FOR	CONDITION	
SIEF	SUBJECT	FROM	то	OUTPUT	ADJOST	ADJUSTION	CONDITION	
1	Level Meter	1kHz Output : 100mV Audio Osci.	FRONT, REAR AUX-1 L, R-ch	Level Meter	F-1485 VR01 (front L-ch) VR02 (front R-ch) VR03 (rear L-ch) VR04 (rear R-ch)	0 level	oFeed signal to 4-CH (both FRONT and REAR)	



VR01 VR₀₂

front R-ch level meter front L-ch level meter volume volume

F-1485

rear L-ch level meter

VR₀₄

rear R-ch level meter volume

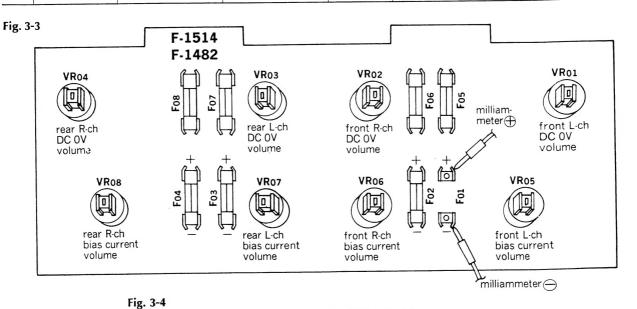
3-3. Driver Circuit Board Adjustment (See Figs. 3-3 and 3-4)

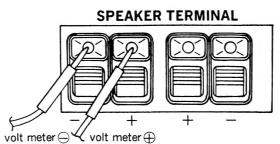
Note: 1. Master Volume......Minimum

- 2. Make the SP terminals free (no load).
- 3. Confirm the AC Power Supply voltage.
- 4. After adjustment, run the unit for more than 5 minutes, then check and readjust necessary.
- 5. Room temperature should be $18{\sim}28^\circ$ (65 ${\sim}83^\circ$ F) for bias current adjustment.

*F-1482.....QRX-5500A *F-1514.....QRX-7500A

STEP	SUBJECT	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR	CONDITION
1	DC 0V Front L	DC volt meter	Speaker terminal Front L-ch Fig. 3-4	F-1514, F-1482 VR01	ov	 Step down meter's range accordingly
2	DC 0V Front R	Same as above	Speaker terminal Front R-ch Fig. 3-4	F-1514, F-1482 VR02	Same as above	Same as above
3	DC 0V Rear L	Same as above	Speaker terminal Rear L-ch Fig. 3-4	F-1514, F-1482 VR03	Same as above	Same as above
4	DC OV Rear R	Same as above	Speaker terminal Rear R-ch Fig. 3-4	F-1514, F-1482 VR04	Same as above	Same as above
5	Bias current Front L	DC milliammeter	F-1482, F-1514 F01 Fig. 3-3	F-151,4 F-1482 VR05	25±1mA	 Step down meter's range accordingly
6	Bias current Front R	Same as above	F-1482, F-1514 F02 Fig. 3-3	F-1514, F-1482 VR06	Same as above	Same as above
7	Bias current Rear L	Same as above	F-1482, F-1514 F03 Fig. 3-3	F-1514, F-1482 VR07	Same as above	Same as above
8	Bias current Rear R	Same as above	F-1482, F-1514 F04 Fig. 3-3	F-1514, F-1482 VR08	Same as above	Same as above







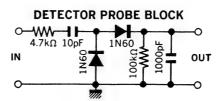
3-4. FM IF Alignment (See Fig. 3-10 on page 10)

5. Frequency band9.5~11.5MHz

GENE SCOPE

6. Connection	Connect the output of	of
genescope to TP.A through 1	00pF ceramic capacitor.	

 Before adjustment, turn both VR01 and VR02 CCW (Max.), VR03 CW (Max.) and VR04 to center.



CTED	CURIFOR	FEED SIG	NAL	MEASURE	ADUICT	ADJUST FOR	CONDITION
STEP	SUBJECT	FROM	то	OUTPUT	ADJUST	ADJUST FOR	CONDITION
1	IF coil	Output 55dB Genescope	Base of TR01 on F-1517 (Fig. 3-10 TP.A)	Connect Point between R32 & R33 on F-1517 (Fig. 3-10 TP.B)	T01	Max. IF wave- form 1 as Fig. 3-9	oTurn core of T05 CCW.
				Use Detector Probe			
2	Meter coil	Same as above	Same as above	Connect Point between R52 & VR02 on F-1517 (Fig. 3-10 TP.D) Direct from Genescope	Т05	Max. IF wave- from 2 Set the center of waveform 2 with waveform 1 as Fig. 3-9	
3	Descrimina- tor coil	Same as above	Same as above	Connect Point between R42 & R44 on F-1517 (Fig. 3-10 TP.C) Direct from Genescope	T03 T04	Max. linearity of S curve Set the center of S curve waveform 1 & 2 as Fig. 3-9	
4	IF coil	Same as above		Same as above	T02	Max. noise	

3-5. FM Dial Calibration and RF Alignment (See Fig. 3-10 on page 10)

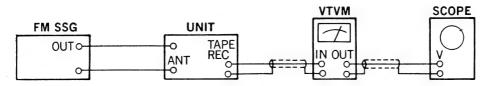
Note: 1. Selector......FM AUTO

2. Master VolumeMinimum

3. FM Muting switchOFF (pushed in)

4. Confirm start point of dial pointer before alignment.

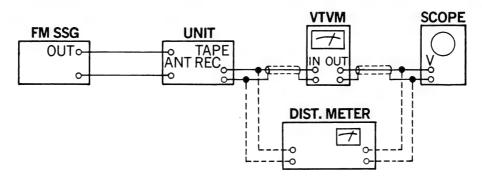
5. In Step 3, 4 and 5, readjust items of Step 1, 2 if not correctly, repeat 3, 4 and 5 again.



STEP	CUBICT	FEED SIGNAL		MEASURE	ADHIET	ADUIST FOR	CONDITION
SIEP	SUBJECT	FROM	TO	OUTPUT	ADJUST	ADJUST FOR	CONDITION
1	88MHz Dial Calibration	88MHz ANT input 60dB 1kHz (100% MOD) FM SSG	ANT terminal 300Ω	REC OUT L or R-ch VTVM & Scope	L04	Max. output	∘Set Dial on 88MHz FM 83 90 92
. 2	108MHz Dial Calibration	108MHz ANT input 60dB 1kHz (100% MOD) FM SSG	Same as above	Same as above	Trimmer Cap. TC04	Same as above	∘Set Dial on 108MHz

STEP	CURIFOR	FEED SIGNA	\L	MEASURE	ADHICT	ADJUST FOR	CONDITION
SIEF	SUBJECT	FROM	то	OUTPUT	ADJUST	ADJUST FOR	CONDITION
3	Confirm 88MHz Dial Calibration	Same as Step 1	Same as above	Same as above		Confirm 88MHz Dial Calibration	∘IF not, repeat from Step 1
4	Confirm 98MHz Dial Calibration	98MHz ANT input 60dB 1kHz (100% MOD) FM SSG	Same as above	Same as above		Confirm 98MHz Dial Calibration	
5	Confirm 108MHz Dial Calibration	Same as Step 2	Same as above	Same as above		Confirm 108MHz Dial Calibration	olf not, repeat from Step 2
6	88MHz RF Adj.	88MHz ANT input 10dB 1kHz (100% MOD) FM SSG	Same as above	Same as above	L01, L02, L03	Max. output	•Tune FM SSG (Max. indication of Signal Meter)
7	108MHz RF Adj.	108MHz ANT input 10dB 1kHz (100% MOD) FM SSG	Same as above	Same as above	Trimmer Cap. TC01, TC02, TC03	Same as above	Same as above

3-6. FM Signal Meter, Mono Distortion, Tune Meter and Muting Adjustment (See Fig. 3-10 on page 10)



CTED	CLIDIFCT	FEED SIGN	NAL	MEASURE	ADJUST	ADJUST FOR	CONDITION
STEP	SUBJECT	FROM	то	OUTPUT	ADJUST	Abjosi iok	CONDITION
1	Signal Meter	98MHz ANT input 66dB 1kHz (100% MOD) FM SSG	ANT terminal 300Ω	Signal Meter	VR02	4.3 on meter	 Tune FM SSG (Max. indication of Signal Meter) Before adjustment, if meter swings out or not enough, preadjust VRO2 until the reasonable point
2	Distortion	Same as above	Same as above	REC OUT L or R-ch Dist. meter & Scope	T04	Min. distortion	 Set VR04 to center Tune FM SSG (Max. indication of Signal Meter)
3	Muting Level	98MHz ANT input 25dB 1kHz (100% MOD) FM SSG	Same as above	REC OUT L or R-ch VTVM & Scope	VR04		 Set FM MUTING switch to OFF (pushed in) Tune the Tune Meter to center and set the muting switch to ON (pushed out)

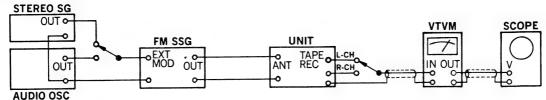
3-7. MPX Alignment (See Fig. 3-10 on page 10)

Note: 1. SelectorFM AUTO

2. Master Volume.......Minimum

4. Before adjustment, turn VR01 CW (Max.) and VR05 to center.

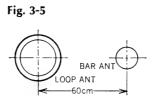
3. FM MUTING switch OFF (pushed in)

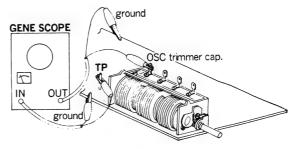


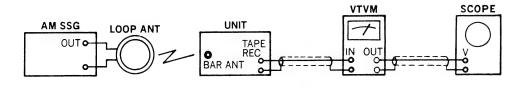
CTED	CURIFCE	FEED SIG	NAL	MEASURE	ADJUST	ADJUST FOR	CONDITION
STEP	SUBJECT	FROM	то	OUTPUT	ADJ031	ADJOST TOR	CONDITION
1	19kHz coil	98MHz ANT input 60dB FM SSG Pilot 19kHz (10% MOD) L-ch 1kHz (45% MOD) R-ch (0% MOD) Stereo SG	ANT terminnal 300Ω	REC OUT L-ch VTVM & Scope	L08	Max. output	Tune FM SSG (Center indication of Tune Meter)
2	Indicator (Lighting level)	98MHz ANT input 31dB FM SSG Pilot 19kHz (10% MOD) Stereo SG	Same as above	Stereo indi- cator lamp	VR01	Lighting Point	∘Tune FM SSG (Center indication of Tune Meter)

3-8. AM IF, Dial Calibration, RF and Signal Meter Alignment (See Figs. 3-6, 3-7, 3-8 and 3-10 on page 10)

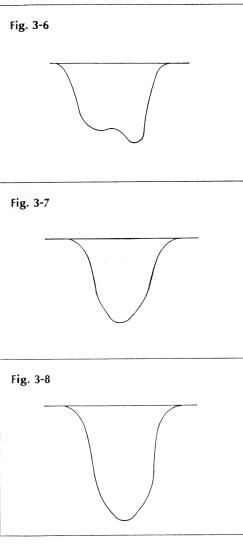
- 2. Master VolumeMinimum
- 3. Confirm start point of dial pointer before alignment.
- 4. In case of using loop antenna, increase output of AM SSG for 26dB than bar antenna's direct input as it attenuates input sensitivity for 26dB. (See Fig. 3-5)
- 5. After adjustment of signal meter, confirm the meter's swing on FM. (If meter swang out or not enough, readjust VR02.) (See Page 3-8)

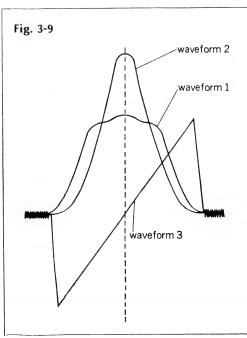


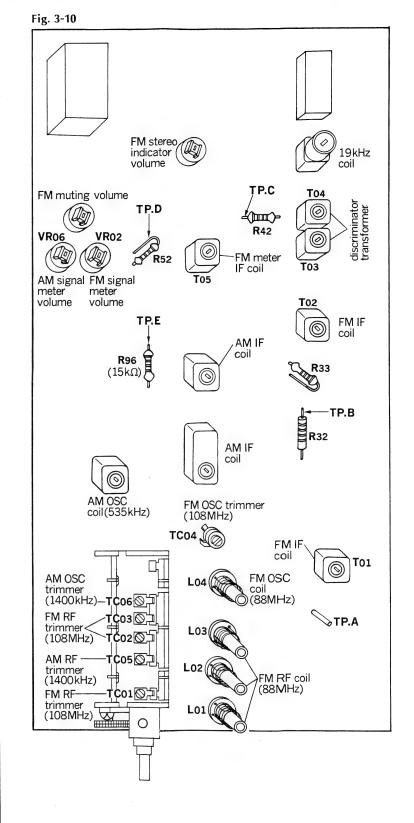




CTER	CURIFCE	FEED SIGNAL		MEASURE	ADUIST	ADJUST FOR	CONDITION
STEP	SUBJECT	FROM	то	OUTPUT	ADJUST	ADJUST FOR	CONDITION
1	IF coil	Output 70dB Genescope	OSC trimmer cap. (TC06) Fig. 3-10	Connect Point bet- ween R96 & R106 on F-1517 (Fig. 3-10 TP.E)	Т07	Max. IF wave- form 1 Fig. 3-6	• Turn core T08 & T09 CCW.
2	IF coil	Output 55dB Genescope	Same as above		T08	Max. IF wave- form 2 Fig. 3-7	
3	IF coil	Output 45dB Genescope	Same as above		Т09	Max. IF wave- form 3 Fig. 3-8	olf not, readjust T08 & T09 slightly
4	535kHz Dial calibra- tion	535kHz ANT input 60dB 400Hz (30% MOD) AM SSG Use loop ANT	Bar ANT	REC OUT L or R-ch VTVM & Scope	T06	Max. output	olf broadcasting station is near, it might be used
5	1400kHz Dial Calibra- tion	1400kHz ANT input 60dB 400Hz (30% MOD) AM SSG Use loop ANT	Same as above	Same as above	Trimmer Cap. TC06	Same as above	Same as above 1200 1400 1605
6	Confirm 600kHz Dial Calibra- tion	600kHz ANT input 60dB 400Hz (30% MOD) AM SSG Use loop ANT	Same as above	Same as above		Confirm 600kHz Dial Calibration	∘ If not, repeat from Step 4
7	Confirm 1000kHz Dial Calibra- tion	1000kHz ANT input 60dB 400Hz (30% MOD) AM SSG Use loop ANT	Same as above	Same as above		Confirm 1000kHz Dial Calibration	
8	Confirm 1400kHz Dial Calibra- tion	Same as Step 5	Same as above	Same as above		Confirm 1400kHz Dial Calibration	○ If not, repeat from Step 5
9	600kHz RF Adj.	600Hkz ANT input 50dB 400Hz (30% MOD) AM SSG Use loop ANT	Same as above	Same as above	Bar ANT L702	Max. output	
10	1400kHz RF Adj.	1400kHz ANT input 50dB 400Hz (30% MOD) AM SSG Use loop ANT	Same as above	Same as above	Trimmer Cap. TC05	Same as above	
11	Signal Meter	1000kHz ANT input 100dB 400Hz (30% MOD) AM SSG Use loop ANT	Same as above	Same as above	F-1517 VR06	4 on meter	 Tune AM SSG (Max. indication of signal meter) Before adjustment, if meter swang out or not enough, preadjust VR06 until the reasonable point







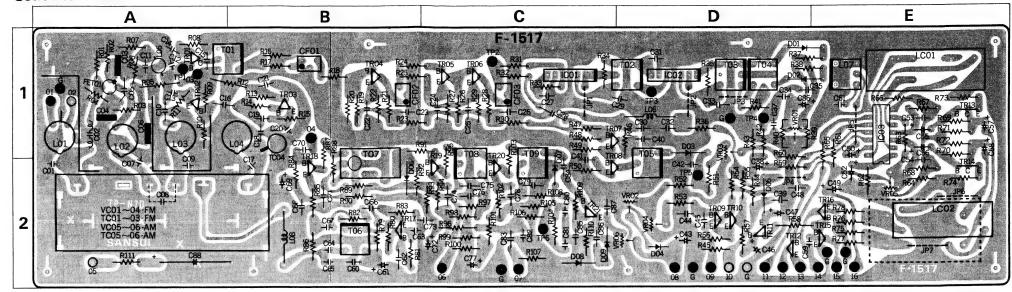


4. PARTS LOCATIONS AND PARTS LIST

4-1. F-1517 Tuner Circuit Board (Stock No. 7521140 Complete Circuit Board....QRX-5500A) (Stock No. 7521160 Complete Circuit Board....QRX-7500A)

Parts List Conductor Side

Parts No.	Stock No.	Description	Position
TRoi	0305801,2	2SC1047 (B, C)	1 A
TR02	0305942,3	2SC710 (C, D)	1 A
TR03	0305790, 1	2SC930 (C, D)	1 B
TR ₀₄	0306112,3	2SC738 (C, D)	1 B
TR ₀₅	0306112,3	2SC738 (C, D)	1 C
TR ₀₆	0306112,3	2SC738 (C, D)	1 C
T- R 07	0305942,3	2SC710 (C, D)	1C, D
TR ₀₈	0305942,3	2SC710 (C, D)	2C, D
	(0305732, 3	2SC711 (F, G)	
TR09	or	or	2 D
	0305952, 3	2SC945 (P, K)	
	(0305732,3	2SC711 (F, G)	
TR10	J	or	2 D
	0305952, 3	2SC711 (F, G)	
TRII	0300510,1	2SA733 (P, Q)	2 D
TR12	0300221	2SA562 (Y) Transistor	2 D
TR13	0306141, 2	2SC1362 (5) (7, 8)	1 E
TR14	0306141,2		2 E
	(0306131, 2	2SC1364 (6, 7)	
TR15	or	or	2 E
	0305951, 2	2SC945 (Q, P)	
	0306131, 2	2SC1364 (6, 7)	
TR16	or	or	2 E
11(10	0305951, 2	2SC945 (Q, P)	2.0
TR17	0305791, 2	2SC403C (3)	2 B
TR18	0305771	2SC403C (4)	2 B
TR19	0305992	2SC403C (4)	2 C
TR20	0305992	2SC403C (4)	2 C
TR21			2 C
	0305991	2SC403C (3)	20
TR22	0305732,3	2SC711 (F, G)	
IC ₀₁	0360120	/¢PC555H	1 C
IC02	0360120	μPC555H IC	1 D
IC ₀₃	0360250	μPC554C)	1, 2 E
FET01	0370080, 1	3SK39 (Q, R) FET	1 A
Doı	0311060	1N60P	1 D , E
D ₀₂	0311060	1N60P	1 D , E
D03	0310330,1	1N60	1 D
D04	0340090	DS-430	2 D
D05	0311050	1S953 Diode	2 D
D06	0310330,1	1N60	2 B
D07	0311090	1S1007-J	1,2C
D ₀₈	0310330,1	1N60	2 C
D09	0310333,1	1N60)	2 C
Toi	4235930	FM IF Coil	1 A , B
T ₀₂	4235860	FM IF Coil	1C, D
T03	4235750	FM IF Coil	1 D
T04	4235760	FM IF Coil	1 D
T05	4235740	FM IF Coil	1,2D
T06	4220630	AM OSC Coil	2 B
T07	0910280	Ceramic Filter	1,2B
T08	4230580	AM IF Coil	1,2G
T09	4230360	AM IF Coil	1, 2 C
Loi	4200560	FM ANT Coil	1 A
L02	4210300	FM RF Coil	1 A



Parts No.	Stock No.	Description	Position
L03	4210300	FM RF Coil	1 A
L04	4220530	FM OSC Coil	1 A , B
L05	4290110	Peaking Coil	1 A
L06	4290011	Peaking Coil	1 D
L07	4240720	19kHz Coil	1 E
L08	4290011	Peaking Coil	2 B
LC01	4240710	MPX Coil	1 E
LC ₀₂	0910220	Low Pass Filter	2 E
CF01	0910150	Ceramic Filter	1 B
CF ₀₂	0910150	Ceramic Filter	1 B
CF ₀₃	0910150	Ceramic Filter	1 C
VC01~06	1220130	Variable Capacitor	2 A
TC04	1230090	Ceramic Trimmer	1 B
C01	0669368	68pF)	2 A
C ₀₂	0657102	0.001 μF	1 A
C03	0659015	2200pF	1 A
C04	0659015	2200pF > 50V C.C.	1 A
C ₀₅	0657223	0.022μF	
C06	0659015	2200pF	1 A
C07	0669370	10pF)	1,2A
C08	0679023	0.39pF 50V	2 A
		Gimmick Capacitor	
C09	0669370	10pF)	2 A
C10	0661120	12pF	1 A
C11	0660221	220pF	1 A
C ₁₂	0661100	10pF (50V C.C.	1 A
C13	0661100	10pF (50V C.C.	1 A
C14	0657223	0.022 <i>μ</i> F	1 A
C15	0657223	0.022/tF	1 A
C16	0669020	4.7pF)	1 A , B

Parts No.	Stock No.	Descrip	tion	Position
C17	0669382	12pF)		2 B
C18	0669370	10pF		1 B
C19	0669369	8.2pF		1 B
C ₂₀	0669375	15pF		. 1 B
C ₂₁	0657223	0.022µF		1 B
C ₂₂	0657223	0.022 <i>μ</i> F		1 B
C ₂₃	0657223	0.022 <i>μ</i> F		1 B
C24	0657473	0.047 µF		1 C
C ₂₅	0657473	0.047/1F		1 C
C ₂₆	0657223	0.022μF 50V	C.C.	1 C
C ₂₇	0657223	0.022 <i>μ</i> F		1 C
C ₂₈	0657101	100pF		1 C
C29	0657223	0.022 <i>μ</i> F		1 C , D
C30	0657223	0.022 <i>μ</i> F		1 D
C31	0657223	0.022μF		1 D
C ₃₂	0657223	0.022 <i>μ</i> F		1 D
C33	0657473	$0.047 \mu F$		1 D
C34	0657101	100pF		1 D
C35	0657101	100pF)		1 D , E
C36	0512100	10μF 16V	E.C.	1 D
C37	0657101	100pF 50V	C.C.	1 D
C38	0513479	4.7μF 25V	E.C.	2 D
C39	0657223	0.022μF 50V	C.C.	
C40	0657223	0.022μ F		1 D
C41	0657223	0.022/1F > 50V	C.C.	2 C
C42	0657102	0.001μF)		2 D
C43	0510101	100μF 6.3V	E.C.	2 D
C44	0601687	0.068μF 50V	M.C.	2 D
C45	0657223	$0.022 \mu F$ 50V	C.C.	2 D
C46	0519104	$0.1 \mu F$		2 D
C47	0515339	$3.3\mu\text{F}$ 50V	E.C.	2 D
C48	0601687	0.068μF 50V	M.C.	2 D
C49	0512101	100μF 16V	E.C.	
C50	0515339	3.3 <i>μ</i> F 50V	E.C.	1, 2 E
C51	0629001	6800pF 50V	P.C.	1 E

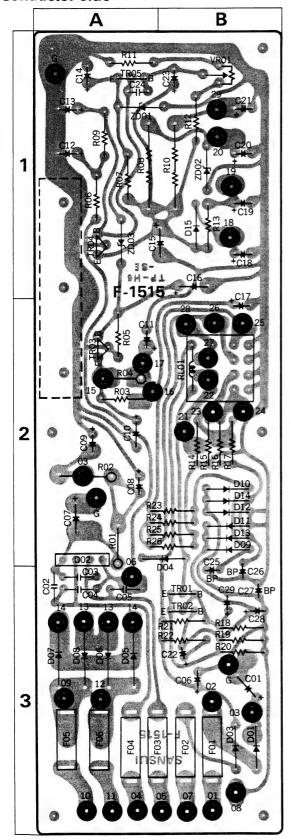
Parts No.	Stock No.	Description	Positio
C ₅₂	0512100	10μF 16V E.C.	2 E
C53	0600127	$0.012\mu F$ 50V M.C.	1 E
C54	0600127	$0.012\mu F$	2 E
C55	0515109	1 µF)	1 E
C56	0515109	1/4F (50)/ 5 C	1 E
C57	0519105	2.2μF 50V E.C.	1 E
C58	0519105	2.2/tF)	1 E
C59	0620102	100pF 50V P.C.	1 D , E
C60	0657223	0.022μF 50V C.C.	2 B
C61	0512470	47μF 16V E.C.	2 B
C62	0657473	$0.047 \mu F$	2 B
C63	0657330	33pF 50V C.C.	2 B , C
C64	0620361	360pF 50V P.C.	2 B
C65	0669437	6.8pF 50V C.C.	2 B
C66	0601107	$0.01\mu\text{F}$	2 B
C67	0601107	$0.01 \mu F$ 50V M.C.	2 B
C68	0657223	$0.022 \mu \text{F}$ 50V C.C.	2 B
C69	0515339	$3.3\mu F$ 50V E.C.	2 B
C70	0657223	$0.022 \mu F$ 300 E.C.	1 B
C71	0657473	0.047μF 50V C.C.	2 B
C72	0512100	10μF 50V E.C.	2 C
C73	0657223	$0.022\mu F$ 50V C.C.	2 B , C
C74	0657473	0.047/LF 30V C.C.	2 C
C75	0657473	$0.047\mu F$ 50V C.C.	2 C
C75	0657473	$0.047 \mu F$ 50V C.C.	2 C
C77	0512470	47 µF 16V E.C.	2 C
C78	0601108	0.1/1F 50V M.C.	
C79	0657473	0.047/tF 50V C.C.	
C80	0601476	0.0047/1F)	2 C
C81	0601227	0.022μF (50V M.C	2 C
C82	0601107	0.01/1 (500 101.0	2 C
C83	0601477	0.047 µF)	2 C
C84	0657101	100pf	2 C
C85	0657223	0.022μF 50V C.C.	
C86	0657223	(0.022 الله)	2 C

arts No.	Stock No.	Description	Position
C87	0657223	0.022μF 50V C.C.	2 C
C88	0502100	10μF 16V E.C.	
Roi	0113104	100kΩ)	1 A
	(0113101	100Ω	
R 02	0113181	180Ω $\frac{1}{4}$ W S.R.	1 A
Rоз	0113224	220kΩ	1 A
R04	0113104	100k Ω	1 A
R05	0107220	22Ω $^{1}\!\!/_{\!4}$ W C.R.	1 A
R06	0113123	12kΩ)	1 A
R07	0113222	2.2 k Ω	1 A
Ros	0113102	$1k\Omega$ $1/4$ W S.R.	1 A
R09	0113223	22kΩ (/4 · · · · · · · · · · · · · · · · · ·	1 A
R10 R11	0113223 0113821	$\begin{pmatrix} 22 k\Omega \\ 820\Omega \end{pmatrix}$	1 A 1 A
R12	0113821	$8.2k\Omega$ $\frac{1}{4}$ W C.R.	1 A , B
R13	0113104	100kΩ)	1 B
R14	0113220	22Ω	1 B
R15	0113222	2.2 k Ω	1 B
R16	0113181	180Ω	1 B
R17	0113101	100Ω	1 B
R 18	0113221	220Ω	1 B
R 19	0113122	1.2k Ω	1 B
R20	0113562	5.6kΩ	. 1 B
R21	0113471	470Ω	1 B
R22	0113272 0113100	2.7kΩ	1 B 1 B , C
R23 R24	0113100	10Ω 220Ω	1 B , C
R25	0113102	1kΩ	1 B , C
R26	0113821	820Ω	10
R ₂₇	0113332	3.3kΩ	1 C
R28	0113471	470Ω	1 C
R29	0113272	2.7kΩ	1 C
R 30	0113100	10Ω	1 C
R 31	0113220	22Ω	1 C
R32	0113682	6.8kΩ	1 C
R33	0113331	330 Ω	10
R34	0113103	100.22	1 C 2 D
R35 R36	0113682 0113100	6.8kΩ 10Ω	1 D
R37	0113100	1kΩ	1 D , E
R38	0113102	īkΩ	1D, E
R41	0113150	15Ω	1 D
R42	0113102	1kΩ	1 D
R43	0113153	15kΩ	1 D
R44	0113153	15kΩ	
R45	0113272	2.7kΩ	
R46	0113101	100Ω	1 D
R47	0113223	22kΩ	10
R48	0113682	$6.8k\Omega$ $1.8k\Omega$	1 C 1 C
R49 R50	0113182 0113471	470Ω	2 C
R50	0113103	10kΩ	2 D
R52	0113122	1.2kΩ	2 D
R53	0113104	100kΩ	2 D
R54	0113393	39kΩ	2 D
R55	0113153	15kΩ	2 D
R56	0113560	56Ω	2 D
R 57	0113473	4.7kΩ)	2 D
R58	0107332	$3.3k\Omega$ $^{1}/_{4}W$ C.R.	2D, E
R 59	0103150	$\frac{15\Omega}{10000}$	2 D
R60	0113150	100kΩ	1,2D
R61 R62	0113334	330k Ω \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1, 2 E 2 E
	0113472	4.7kΩ	∠ C

Parts No.	Stock No.	Description	Position
R67	0113392	3.9kΩ)	1 E
R68	0113392	3.9kΩ	2 E
R69	0113684	680kΩ	1 E
R 70	0113684	680kΩ	1 E
Rźi	0113392	3.9kΩ	1 E
R 72	0113392	3.9kΩ	1 E
R 73	0113331	330Ω	1 E
R74	0113331	330Ω	2 E
R 75	0113332	3.3kΩ	2 E
R 76	0113332	3.3kΩ	2 E
R 77	0113562	5.6kΩ	2 E
R78	0113562	5.6kΩ	2 E
R 79	0113272	2.7kΩ	2 B
R 80	0113101	100Ω	2 B
R 81	0113564	560kΩ 1/4W S.R.	2 B
R82	0113100	10Ω	2 B
R83	0113102	lkΩ	2 B
R84	0113103	10kΩ	2 B 2 B
R85	0113220	22Ω	2 B
R86	0113102	lkΩ	1,2B
R87	0113561	560Ω	1, 2 B
R88	0113224	220kΩ	2 B
R89	0113561	560kΩ	2 B
R90	0113392	3.9kΩ	1 B , C
R91	0113332 0113123	$3.3k\Omega$ 12k Ω	2 B
R92 R93	0113123	120kΩ	2 C
R94	0113124	1kΩ	2 C
R95	0113681	860Ω	1,2C
R96	0107153	15kΩ ½W C.R.	2 C
R97	0113822	8.2kΩ)	2 C
R98	0113562	5.6kΩ	2 C
R99	0113470	47Ω	2 C
R100	0113470	47Ω	2 C
R101	0113101	100Ω	2 C
R102	0113102	$1k\Omega > \frac{1}{4}W$ S.R.	2 C
R103	0113471	470Ω	1,2C
R104	0113102	lkΩ	2 C
R105	0113472	4.7kΩ	2 C
R106	0113392	3.9kΩ	2 C
R107	0113473	47kΩ)	2 C
R 108	0107122	1.2k Ω $\frac{1}{4}$ W C.R.	2 C
R109	0113823	$\begin{cases} 82k\Omega \\ 1.2k\Omega \end{cases} \frac{1}{4}W$ S.R.	2 C
R110	0113122	$1.2k\Omega$ $^{1/4}W$ S.R.	2 C
R111	0113100	10Ω	
R112	0107822	8.2k Ω	
R901	0107102	lkΩ	
R902	0107104	100k Ω	
VR02	1035170	47kΩ (B) Semi Variable	2 D
VR04	1035190	47k() (B) Resistor	2 D
VR05	1035170	47k Ω (B) J (Solid Type)	2 D
	2260010	Testpin	

4-2. F-1515 Protector & Power Circuit Board

Conductor Side



(Stock No. 7501330 Complete Circuit Board....QRX-7500A)

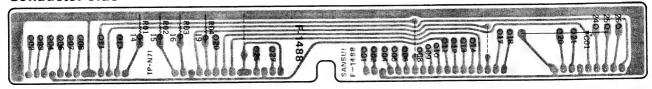
Parts List

Parts No.	Stock No.	Description	Position
TD		-	
TR01 TR02	0306132, 3	2SC1364 (7, 8) 2SC1364 (7, 8)	3 B 3 B
TR ₀₂	0308132, 3		2 A
TR04	0308331, 2	1 ' / [1 A
TR05	03060301, 2	2SD315 (E, D) 2SC983 (O, R)	1 A
1103	0300020, 1	23C703 (O, k))	173
D01	0310340	10D-1	3 B
D02	0311070	2B2DM	2 A
D03	0310340	10D-1	3 B
D04	0310340	10D-1	2 A , B
D05	0311240	SR3-AM-4	3 A
D06	0311240	SR3-AM-4	3 A
D07	0311240	SR3-AM-4	3 A
D08	0311240	SR3-AM-4 Diode	3 A 2 B
D09 D10	0310400	1N-34A 1N-34A	2 B
D10	0310400 0310400	1N-34A	2 B
D11	0310400	1N-34A	2 B
D12	0310400	1N-34A	2 B
D13	0310400	1N-34A	2 B
D15	0310340	10D-1	1 B
ZD01	0316300	RD-12E (C)	1 A
Z D02	0316300	RD-12E (C)	1 B
70	0315370	RD-19 A (L) Zener Diode	
ZD03	Or	or	1 A
	0315650	EQB01-18)	
C01	0511102	1000μF 10V E.C.	3 B
C06	0515330	33μF 50V E.C.	3 B
C ₀₇	0519903	100μF 80V E.C.	2 A
C08	0515101	100/1F 50V E.C.	2 A
C09	0515330	$33\mu\text{F}$ 50V E.C.	2 A
C10	0514331	330μF 35V E.C.	2 A
C11	0515101	100/tF 50V E.C.	2 A
C12	0515330	33μF)	1 A
C13	0515101	100/rF 50V E.C.	1 A
C14	0512101	100μF 16V E.C.	1 A
C15 C16	0515101	100μF 50V E.C.	1 A 1 B
C16	0514331 0515101	330μF 35V E.C.	2 B
C17	0515101	$100 \mu F$ $100 \mu F$ $50V$ E.C.	1 B
C19	0515101	100μF)	1 B
C ₂₀	0512101	100(15)	1 B
C ₂₁	0512101	100μF 16V E.C.	1 B
C ₂₂	0519103	0.47 (/F)	3 B
C ₂₃	0515100	$10\mu F$ 50V E.C.	1 B
C ₂₅	0530470	47 ((F)	3 B
C ₂₆	0530470	47/4F 6.3V BP. E.C.	2,3B
C ₂₇	0535109	1μF 50V BP.E.C.	3 B
C ₂₈	0515109	1μF 50V E.C.	3 B
C ₂₉	0510471	470 µF 6.3V E.C.	3 B
C ₃₀	0660221	220 pF 50V C.C.	
C31	0655103	0.01μF 500V C.C.	
Roı	0103271	270Ω	2 A
R02	0103271	270Ω \ ½W C.R.	2 A
R03	0103470	47Ω)	2 A
R04	0104820	82Ω IW C.R.	2 A
R05	0107392	3.9kΩ \	2 A
R06	0107152	1.5k Ω $1/4$ W C.R.	1 A
R 07	0107562	5.6kΩ)	1 A

Parts No.	Stock No.	Description		Position
	0162561	560Ω 2W	Ce.R.	1 A
R 09	0107152	1.5 k Ω $\frac{1}{4}$ W	C.R.	1 A
R 10	0162181	180Ω 2 W	Ce.R.	1 B
R11	0107682	6.8kΩ) 1/M	C D	1 A
R12	0107682	$6.8k\Omega$ $^{1/4}W$	C.R.	1 B
R13	0103220	22Ω ½W	C.R	1 B
R14	0107332	$3.3k\Omega_1$		2 B
R15	0107332	3.3kΩ		2 B
R16	0107473	47kΩ		2 B
R17	0107473	47kΩ 1/1/1	C P	2 B
R18	0107562	$5.6k\Omega$ $^{1/4}W$	C.R.	3 B
R 19	0107474	470kΩ		3 B
R 20	0107479	4.7Ω		3 B
R21	0107823	82kΩ		3 A , B

Parts No.	Stock No.	Description	Position
R22	0107394	390kΩ)	2 A , B
R23	0107473	47kΩ	2 A , B
R24	0107473	$47k\Omega$ \rangle $^{1}/_{4}$ W C.R.	2 A , B
R ₂₅	0107332	3.3kΩ	2 A , B
R ₂₆	0107332	3.3kΩ	2 A , B
VR01	1035090	2.2k Ω (B) Semi-Variable Resistor (Solid Type)	1 B
RLo1	1150101	MY4-O2-US-SA Relay	2 B
Fo1	0432900,1	5 A \	3 B
F02	0432830, 1	TAL	3 B
F03	0432850, 1	2 A Fuse	3 A
F04	0432850, 1	2 A)	3 A

4-3. F-1488 Connector Joint Circuit Board (Stock No. 7593220 Complete Circuit Board....QRX-5500A) Conductor Side

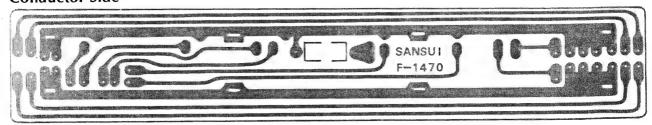


Parts List

Parts No.	Stock No.	Description			Position
C01	0504221	220μΕ	35٧	E.C.	1
Roı	0107474	470kΩ)			2
R ₀₂	0107474	470kΩ	1/14/	C D	2
Roз	0107474	$\frac{470k\Omega}{470k\Omega}$ ± 5%	1 ∕4 VV	C.R.	2
R 04	0107474	470kΩ)			2

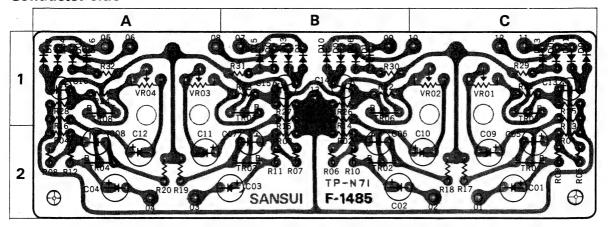
Parts No.	Stock No.	Description	Position
	2420150	10P Connector	
	2420160	14P Connector	
	2420170	18P Connector	

4-4. F-1470 Illumination Unit Circuit Board (Stock No. 7593230 Complete Circuit Board ... QRX-5500A) Conductor Side



Parts No.	Stock No.	Description	
Roı	0107180	18 Ω $^{1}\!\!/_{\!\!4}$ W C.R.	

4-5. F-1485 Meter Circuit Board (Stock No. 7593200 Complete Circuit Board....QRX-5500A) (Stock No. 7593290 Complete Circuit Board....QRX-7500A) Conductor Side

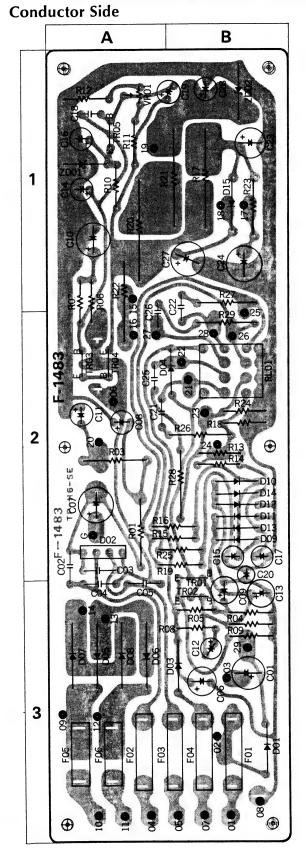


Parts No.	Stock No.	Description	Position
	0306012	2SC1222 (F)	
TR01~04	or	or	
	0306071	2SC1222 (G) Transistor	1 A , B , C
	0306012	2SC1222 (F)	, ., .
TR05~08	or	or	
	(0306071	2SC1222 (G))	
D01	0310400	1N34A)	1 C
D02	0310400	1N34A	1 B
D03	0310400	1N34A	1 B
D04	0310400	1N34A	1 A
D05	0310400	1N34A	1 C
D06	0310400	1N34A	1 B
D 07	0310400	1 N34A	1 B
D08	0310400	1N34A Diode	1 A
D09	0310400	1N34A	1 C
D10	0310400	1N34A	1 B
D11	0310400	1N34A	1 B
D12	0310400	1N34A	1 A
D 13	0310400	1N34A	1 C
D14	0310400	1N34A	1 B
D 15	0310400	1 N34A	1 B
D16	0310400	1N34A)	1 A
C01	0515109	1 <i>µ</i> F)	2 C
C ₀₂	0515109	1 μΕ	2 B
C ₀₃	0515109	1 µF	2 B
C04	0515109	1 μF	2 A
C ₀₅	0515109	1 µF	2 C
C06	0515109	1 μΕ	2 B
C ₀₇	0515109	$1 \mu F > 50 V$ E.C.	2 B
C08	0515109	1 µF (50V E.C.	2 A
C09	0515109	1 µF	2 C
C 10	0515109	1 μΕ	2 C
C11	0515109	1 μΕ	2 A
C12	0515109	1 μF	2 A
C 13	0519103	0.47μF	1 C
C14	0519103	0.47 μF)	1 B
C15	0519103	0.47 uF)	1 B
C16	0519103	0.47 µF 50V E.C.	1 A

Parts No.	Stock No.	Description	Position
Roi	0106824	820kΩ)	2 C
R02	0106824	820kΩ	2 B
Roз	0106824	820kΩ	2 B
R04	0106824	820kΩ	2 A
Ros	0106104	100kΩ	2 C
R06	0106104	100kΩ	2 B
R 07	0106104	100kΩ	2 B
Ros	0106104	100kΩ	2 A
R09	0106474	470kΩ	2 C
R10	0106474	470kΩ	2 B
R11	0106474	470kΩ	2 B
R12	0106474	470kΩ	2 A
R13	0106104	100kΩ	1 C
R14	0106104	100kΩ	1 B
R 15	0106104	100kΩ	1 B
R16	0106104	$100k\Omega$ $\pm 5\%$ $\frac{1}{4}$ \dot{W} C.R.	1 A
R17	0106103	$10k\Omega$ (E.L.R.)	2 C
R18	0106103	10kΩ	2 C
R 19	0106103	10kΩ	2 A
R ₂₀	0106103	10kΩ	2 A
R21	0106105	ΩΜΙ	1 C
R22	0106105	ΩΜ1	1 B
R23	0106105	1ΜΩ	1 B
R24	0106105	1ΜΩ	1 A
R ₂₅	0106472	4.7kΩ	1 C
R26	0106472	4.7kΩ	1 B
R27	0106472	4.7kΩ	1 B
R28	0106472	4.7kΩ	1 A
R29	0106822	8.2k Ω	1 C
R30	0106822	8.2kΩ	1 B
R31	0106822	8.2kΩ	1 B
R32	0106822	8.2 k Ω)	1 A
VR01	1032151	200kΩ (B))	1 C
VR02	1032151	200kΩ (B) SamisVariable	1 C
VR ₀₃	1032151	200kΩ (B) Semi-Variable Resistor	1 A
VR ₀₄	1032151	200kΩ (B)	1 A



4-6. F-1483 Protector & Power Circuit Board (Stock No. 7501320 Complete Circuit Board....QRX-5500A)



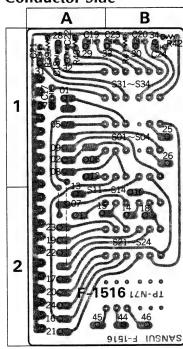
Parts List		Description	Position
Parts No.	Stock No.	Description	Positio
TRoi	0306131,2	2SC1364 (6, 7)	2,3B
TR ₀₂	0306131, 2	2SC1364 (6, 7)	3 B
TRоз	0305930, 1	2SC1211 (C, D)	2 A
TR ₀₄	0308392,3	2SD313 (E, F) Transistor	2 A
	(0306070, 1	2SC1313® (F, G)	
TR ₀₅	or	or	1 A
	(0306132, 3	2SC1364 (7, 8))	
Doı	0310340	10D-1	3 B
D02	0311070	2B2DM	2 A
D03	0310340	10D-1	3 B
D04	0310340	10D-1	2 B
D05	0311240	SR3-AM-4	3 A
D06	0311240	SR3-AM-4	3 A
D07	0311240	SR3-AM-4	3 A
D08	0311240	SR3-AM-4 Diode	3 A
D09	0310400	1N34A	2 B
D10	0310400	1N34A	2 B
D11	0310400	1N34A	2 B
D12	0310400	1N34A	2 B
D12	0310400	1N34A	2 B
D13	0310400	1N34A	2 B
		20, 107 (0))	1 A
ZD01 ZD02	0316300 0315090	RD-12E (C) ZB-1-13 Zener Diode	1 B
	0313090	,	
RLoi	1150101	MY4-0-US-SA Relay	2 B
C01	0511471	470 μ F 10V E.C.	3 B
C02	0655103	0.01 µF	2,3A
C03	0655103	0.01/1F 500V C.C.	2 A
C04	0655103	0.01 /tF	3 A
C05	0655103	0.01 μF J	3 A
C06	0515330	33/ιF 50V E.C.	3 B
C 07	0519302	220/tF 80V E.C.	2 A
C08	0515101	100/ιF 50V E.C.	2 A
C09	0510471	470 £F 6.3V E.C.	2,3B
C10	0519301	100μF 80V E.C.	1 A
C11	0515470	47 μF)	2 A
C12	0519103	0.47/1F 50V E.C.	3 B
C13	0515109	1/4F (30V 2.C.	3 B
C14	0657223	0.02 <i>μ</i> F)	1 A
C15	0530470	47μF 6.3V E.C.	2 B
C16	0512470	47μF 16V E.C.	1 A
C17	0530470	47μF 6.3V E.C.	2 B
C19	0515100	10μF)	1 A , E
C20	0535109	1μ F > 50V E.C.	2,3B
C23	0513221	220 µF)	1 B
C24	0513221	220 (/F)	1 B
C27	0513331	330µF} 25V E.C.	1 B
C28	0512221	220µF 16V E.C.	1 B
C30	0605477	0.047μF 250V M.C.	
Roi	0182681	680Ω \pm 5 % 2 W Ce.I	R. 2A
Ro2	0102001	$4.7\Omega \pm 5\% \frac{1}{4}W \text{ C.R}$	
Ro4	0107477	5.6kΩ)	ЗВ
Ros	0107302	82kΩ	3 B
		5.640	1.2A
Ros Poz	0107562	$\frac{3.8 k\Omega}{3.3 k\Omega}$ $\pm 5\%$ $\frac{1}{4}$ W C.R	1,2A
Roz Roz	0107332		3 B
Ros	0107394	$390k\Omega$ $470k\Omega$	J D

Parts No.	Stock No.	Description		Position
	0107562	5.6kΩ)		1 A
R11	0107223	22kΩ		1 A
R12	0107822	8.2kΩ		1 A
R13	0107473	$47k\Omega \ \pm 5\% \ \frac{1}{4}$	W C.R.	2 B
R14	0107473	47kΩ		2 B
R15	0107473	47kΩ		2 A , B
R 16	0107473	$47k\Omega$		2 A , B
R 17	0182331	300Ω $\pm 10\%$ 2	W Ce.R.	1 B
R 18	0107332	3.3kΩ)	C D	2 B
R 19	0107332	$\frac{3.3k\Omega}{3.3k\Omega}$ ± 5% $\frac{1}{4}$	W C.R.	2 A , B
R22	0132101	100Ω ±10% 2	W Ce.R.	1,2A

4-7. F-1516 Accessory Circuit Board

(Stock No. 7593340 Copmlete Circuit Board....QRX-7500A)

Conductor Side



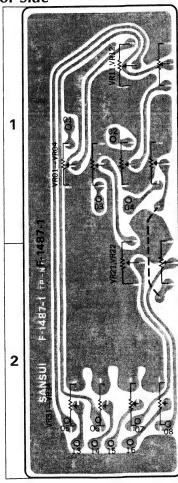
Parts List

Parts No.	Stock No.		escri	ption	Position
C17, 18	0620151	150pF)	501/	n.C	1 A . 1 A
C 19, 20	0620151	150pF) 150pF)	501	P.C.	1 A . 1 B
C21, 22	0600227	$0.022 \mu F$	501/		1 A . 1 A
C23, 24	0600227	$0.022 \mu F \ 0.022 \mu F \ $	507	M.C.	1 B . 1 B
R39, 40	0106333	33kΩ)	1/14/	C.R. (E.L.R)	1A.1A
R41, 42	0106333	33kΩ}	1/4 W	C.R. (E.L.R)	1 B . 1 B
S31~34	1130750	SPM055D	Push	Switch	1 B

Parts No.	Stock No.	Description	Position
R23	0104220	22Ω ±5% 1W C	C.R. 1 B
R24	0107332	3.3 k Ω $\pm 5\%$ $\frac{1}{4}$ W C	C.R. 2 B
R ₂₅	0107332	$3.3k\Omega \pm 5\% \frac{1}{4}W$	C.R. 2A, B
R 901	0107102	$1k\Omega \pm 5\% \frac{1}{4}W$ C	.R.
VR01	1035100	3.3 k Ω (B) Solid Volume	1 A
Fo1	0432900, 1	5A Wired-in Fuse	3 B
F02	0432850, 1	2A Wired-in Fuse	3 A
F03	0432850,1	2A Wired-in Fuse	3 B
F ₀₄	0432830, 1	1A Wired-in Fuse	3 B

4-8. F-1487 Volume Circuit Board
(Stock No. 7593270 Complete Circuit Board...QRX-5500A)
(Stock No. 7593310 Complete Circuit Board...QRX-7500A)

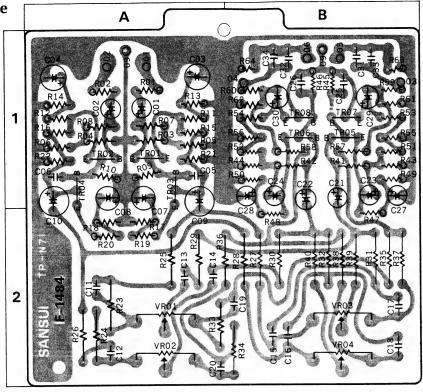
Conductor Side



Parts No.	Stock No.	Description	Position
VR01~04	1060250, 1	250kΩ (HB)×4)	1
VR11, 12	1010400, 1	250kΩ (HB) Variable	1
VR21, 22	1010400,1	250kΩ (HB) Resistor	1,2
VR31~34	1060240,1	$250k\Omega$ (B) \times 4	2

4-9. F-1484 Tone Control Circuit Board (Stock No. 7561200 Complete Circuit Board....QRX-5500A) (Stock No. 7561210 Complete Circuit Board....QRX-7500A)

Conductor Side



Parts List

Parts No.	Stock No.	Description	on	Position	Parts No.	Stock No.	
	(0305880, 1	2SC1000 (GR, BL))		C06	0660470	47
TRoi	or	or		1 A	C07	0512330	33
	0306071,2	2SC1313 (R) (G, H)			C ₀₈	0512330	33
	(0305880, 1	2SC1000 (GR, BL)			C09	0519102	3.3
TR02	or	or		1 A	C10	0519102	3.3
	0336071,2	2SC1313 ® (G, H)			C11	0600476	0.0047
	(0300450	2SA493 (GR)	Transistor		C12	0600476	0.0047
ТРоз	or	or		1 A	C13	0600826	0.0082
	0300470, 1	2SA726 🐨 (F, G)			C14	0600826	0.0082
	(0300450	2SA493 (GR)			C15	0600227	0.022
TR ₀₄	or	or		1 A	C16	0600227	0.022
	0300470,1	2SA726 (W) (F, G))		C17	0600227	0.022
	(0305880	2SC1000 (GR, BL)	1		C18	0600227	0.022
TRos	or	or	1	1 B	C 19	0600476	0.0047
	0306071, 2	2SC1313 ® (G, H)			C ₂₀	0600476	0.0047
	(0305880	2SC1000 (GR, BL)			C ₂₁	0519101	1
TR06	or	or		1 B	C ₂₂	D519101	1
	0306071, 2	2SC1313 ® (G, H)	Transistor		C ₂₃	0512100	10
	(0305880	2SC1000 (GR, BL)	(ransistor		C ₂₄	0512100	10
T R 07	or	or		1 B	C ₂₅	0660470	47
	0306071, 2	2SC1313 ® (G, H)			C ₂₆	0660470	47
•	(0305880	2SC1000 (GR, BL)			C ₂₇	0512100	10
TR ₀₈	or	or		1 B	C ₂₈	0512100	10
	0306071, 2	2SC1313 (R) (G, H))		C ₂₉	0519101	1
					C30	0519101	1
Coi	0573109	1μF 25V T.	_	1 A	C33	0600227	0.022
C ₀₂	0573109	1μF 25V T.		1 A	C34	0600227	0.022
C ₀₂	05/3/09		C.	1 A	Roi	0106102	1
C03	0512470		c.	1 A	R02	0106102	1
C ₀₅	0660470	47μF) 47 pF 50V E.	C	1 A	Ro3	0106102	470
	0000470	47 PI 30V E.	.c.	. , ,		3,00,,4	

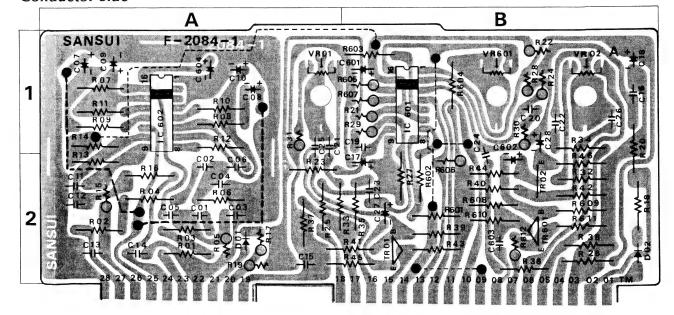
Parts No.	Stock No.	Description	Position
C06	0660470	47 pF 50V C.C.	1 A
C ₀₇	0512330	33μF)	1 A
C ₀₈	0512330	$33\mu\text{F}$ 16V E.C.	1 A
C09	0519102	$3.3 \mu F$ 50V E.C.	1,2A
C10	0519102	$3.3\mu\text{F}$ 50V E.C.	1, 2 A
C11	0600476	0.0047μF)	2 A
C12	0600476	0.0047 μF	2 A
C13	0600826	0.0082 <i>μ</i> F	2 A
C14	0600826	0.0082 <i>μ</i> F	2 A
C15	0600227	0.022μF	2 B
C16	0600227	$0.022 \mu F$ $\pm 5 \%$ 50V M.C.	2 B
C17	0600227	0.022/4F	2 B
C18	0600227	0.022/4F	2 B
C 19	0600476	0.0047 <i>μ</i> F	2 B
C ₂₀	0600476	0.0047 µF	2 A
C ₂₁	0519101	1μF) 504 50	1, 2 B
C ₂₂	Q519101	1 µF} 50V E.C.	1, 2 B
C ₂₃	0512100	10μF)	1 B
C24	0512100	10μF 16V E.C.	1 B
C ₂₅	0660470	47 pF) 504 0.0	1 B
C ₂₆	0660470	47 pF 50V C.C.	1 B
C ₂₇	0512100	10μF)	1 B
C ₂₈	0512100	10μF 16V E.C.	1 B
C ₂₉	0519101	1μξ)	1 B
C30	0519101	$\begin{pmatrix} \mu_F \\ \mu_F \end{pmatrix}$ 50V E.C.	1 B
C33	0600227	$0.022 \mu F$)	1 B
C34	0600227	$0.022 \mu F$ 50V M.C.	1 B
Roi	0106102	$1k\Omega$	1 A
R ₀₂	0106102	$1k\Omega$ $\pm 5\%$ ½W C.R.	1 A
Roз	0106474	470kΩ (E.L.R.)	1 A

Parts No.	Stock No.		escription	Position
R04	0106474	470kΩ	}	1 A
Ros	0106274	270k Ω		1 A
R06	0106274	270k Ω		1 A
R 07	0106394	390k Ω		1 A
Ros	0106394	390k Ω		1 A
R09	0106183	18k Ω		1 A
R 10	0106183	18k Ω		1 A
R11	0106102	1k Ω		1 A
R12	0106102	1k Ω		1 A
R13	0106123	12k Ω	± 5% 1/4W C.	
R14	0106123	12k Ω	(E.L.R	^(.) 1A
R15	0106123	12k Ω		1 A
R 16	0106123	12k Ω		1 A
R 17	0106821	820 Ω		2 A
R 18	0106821	820 Ω		2 A
R 19	0106221	220 Ω		2 A
R ₂₀	0106221	220 Ω		2 A
R ₂₁	0106682	6.8k Ω		1 A
R ₂₂	0106682	6.8 k Ω	l	1 A
R23	0107224	220k Ω		2 A
R ₂₄	0107224	220k Ω		2 A
R ₂₅	0107222	2.2k Ω		2 A
R ₂₆	0107222	2.2k Ω		2 A
R ₂₇	0107183	18k Ω		2 B
R ₂₈	0107183	18k Ω		2 B
R29	0107222	2.2k Ω	±5% 1/4W C.	
R 30	0107222	2.2k Ω	, ,	2 B
R31	0107472	4.7k Ω		2 B
R32	0107472	4.7k Ω		2 B
R33	0107224	220k Ω		2 A
R34	0107224	220k Ω		2 B
R35	0107222	2.2k Ω		2 B
R36	0107222	2.2k Ω		2 A , B

Parts No.	Stock No.	Description	Position
R37	0107183	18kΩ)	2 B
R38	0107183	$18k\Omega$ $\pm 5\%$ ½W C.R	2 B
R39	0107472	4.7kΩ (= 3 /6 /4 VV C.K	2 B
R40	0107472	4.7kΩ)	2 B
R41	0106683	68kΩ)	1 B
R42	0106683	68kΩ	1 B
R43	0106394	390kΩ	1 B
R44	0106394	390kΩ	1 B
R45	0106563	56kΩ	1 B
R46	0106563	56kΩ	1 B
R47	0106561	560Ω	2 B
R48	0106561	560Ω	2 B
R49	0106562	$5.6k\Omega$ $\pm 5\%$ ½W C.R (E.L.R.	; 1 B
R50	0106562	5.6kΩ	′ 1 B
R51	0106154	150kΩ	1 B
R52	0106154	1 50k Ω	1 B
R53	0106682	6.8kΩ	1 B
R54	0106682	6.8kΩ	1 B
R55	0106821	820Ω	1 B
R56	0106821	820Ω	1 B
R57	0106220	22Ω)	1 B
R.58	0106220	22Ω)	1 B
R59	0106332	3.3kΩ	1 B
R60	0106332	3.3kΩ	1 B
R61	0106563	$56k\Omega$ $\rangle \pm 5\%$ $\frac{1}{4}W$ C.R.	
R62	0106563	56kΩ (E.L.R.)	1 B
R63	0106104	100kΩ	1 B
R64	0106104	100kΩ)	1 B
VR ₀₁	1010980, 1	100k Ω (W) $ imes$ 2)	2 A
VR02	1010980,1	$100k\Omega (W) \times 2$ Variable	2 A
VR03	1010990	$100k\Omega (B) \times 2$ Resistor	. 2 B
∨Ŕ04	1010990	$100k\Omega$ (B) $\times 2$	2 B

Conductor Side

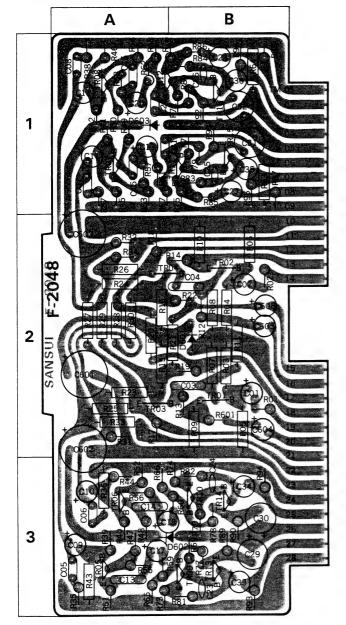
4-10. F-2084 QS Vario-Matrix Circuit Board (Stock No. 7650410 Complete Circuit Board....QRX-5500A) (Stock No. 7650430 Complete Circuit Board....QRX-7500A)



arts No.	Stock No.	Description	Position
	(0306011, 2	2SC1222 (E, F)	
TR ₀₁	or	or	2 B
	0306091,2	2SC1312R (G, H)	
	[0306011, 2	2SC1222 (E, F) Transistor	
TR ₀₂	or	or	2 B
	0306091, 2	2SC1312R (G, H)	=
TR601	0306090, 1	2SC1312R (F, G)	2 B
		,	
IC601	0360100	HD3103PB)	1 B
IC602	0360090, 1	HA1327 (L, N) }I.C.	1 A
	(0311160	1S2473D)	
D01	or	or	2 A
	0311180	151588	
	(0311160	1S2473D Diode	
D02	or	or	2 B
	0311180	151588	
C01	0600106	0.001 µF)	2 A
C02	0600106	0.001 µF 50V M.C.	2 A
C03	0620471	470pF)	2 A
C04	0620471	470pF 50V P.C.	2 A
C05	0600106	0.001 µF)	2 A
C06	0600106	0.001 µF 50V M.C.	2 A
C07	0513479	4.7µF)	1 A
C08	0513479	4 7 uF	1 A
C09	0513479	4.7 µF 25V E.C.	1 A
C10	0513479	4.7μF)	1 A
C11	0600687	0.068µF)	2 A
C12	0600687	0.068µF	2 A
C13	0600567	0.056 µF	2 A
C14	0600567	0.056µF (50V M.C.	2 A
C15	0600187	0.018µF	2 A
C16	0600187	0.018µF)	1 B
C17	0513100	10µF)	2 B
C18	0513100	10µF 25V E.C.	1 B
C19	0600226	0.0022μF)	1 B
C20	0600226	0.0022µF} 50V M.C.	1 B
C21, 22	0620681	680pF 50V P.C.	12, A.11
C23, 24	0600187	0.018µF)	2B. 1, 2B
C ₂₅	0600477	0.047μF 50V M.C.	1,2A
C ₂₆	0600227	0.022µF)	1 B
C ₂₇	0515109	1μΕ)	2 B
C ₂₈	0515109	1 //F	1 B
C601	0515339	$3.3\mu\text{F}$ 50V E.C.	1 B
C602	0519102	3.3μ F) .	2 B
C603	0600476	0.0047μF 50V M.C.	2 B
C604	0513330	33μF 25V E.C.	1 A
		•	
Roı	0107152	$1.5k\Omega$	2 A
R 02	0107152	1.5kΩ	2 A
Roз	0107562	5.6kΩ	2 A
R 04	0107562	5.6kΩ	2 A
Ros	0106473	47kΩ	2 A
R06	0107473	47kΩ	2 A
R07	0107274	27040	1 A
Ros	0107274	270kΩ (½W C.R.	1 A
R09	0107124	120kΩ	1 A
R10	0107124	120kΩ	1 A
R11	0107394	390kΩ	1 A
R12	0107394	390kΩ	1 A
R13	0107124	120kΩ	2 A
R14	0107124	120kΩ)	1 A

Parts No.	Stock No.		Description	Position
R15	0106563	56kΩ \		2 A
R16	0107563	56kΩ		2 A
R 17	0106334	330k Ω		2 A
R 18	0107824	820k Ω		2 B
R 19	0106394	390k Ω		2 A
R20	0107394	390k Ω		1,2B
R21	0106684	680k Ω		1 B
R22	0106684	680k Ω		1 B
R23	0107105	1M Ω		2 A
R ₂₄	0106105	$1 M\Omega$		1 B
R25	0107103	10k Ω		2 A
R ₂₆	0107103	10k Ω		2 B
R ₂₇	0107683	68k Ω		2 B
R ₂₈	0106683	68k Ω		1 B
R29	0106104	100k Ω		1 B
R 30	0106104	100k Ω		1 B
R 31	0106473	47k Ω		1 A
R32	0107473	47k Ω		2 B
R33, 34	0107153	15k Ω		2A, B. 1B
R35, 36	0107331	330Ω		2 B
R 37, 38	0107224	220k Ω	¼W C.R.	2 A . 2 B
R39	0107184	180k Ω		2 B
R 40	0107224	220k Ω		2 B
R41	0107473	47k Ω		2 A , B
R42	0107473	47k Ω		2 B
R43	0107103	10k Ω		2 B
R44	0107103	10k Ω		2 B
R45	0107472	4.7k Ω		2 A , B
R46	0107472	4.7k Ω		2 B
R601	0107224	220k Ω		2 B
R602	0107473	47k Ω	٠	2 B
R603	0107103	10k Ω		1 B
R604	0107102	1kΩ		1 B
R605	0106103	10k Ω		1 B
R606	0106332	$_{\odot}$ 3.3k Ω		2 B
R 607	0106103	10k Ω		1 B
R 608	0107224	220k Ω		2 B
R609	0107104	100k Ω		2 B
R610	0107152	1.5k Ω		2 B
R611	0107152	1.5k Ω		2 B
R612	0106472	4.7k Ω)	2 B
VR01	1031520,1	100k Ω	. Sami Variable	1 A
VR 02	1031520, 1	100k Ω	(B) Resistor	1 B
VR601	1031480,1	10k Ω	(B) J	1 B
	5037540	Shield Pla	ate	
	5057930	Shield Co	over	

4-11. F-2048 Vario-Matrix Circuit Board (Stock No. 7650400 Complete Circuit Board....QRX-5500A) (Stock No. 7650420 Complete Circuit Board....QRX-7500A) **Conductor Side**



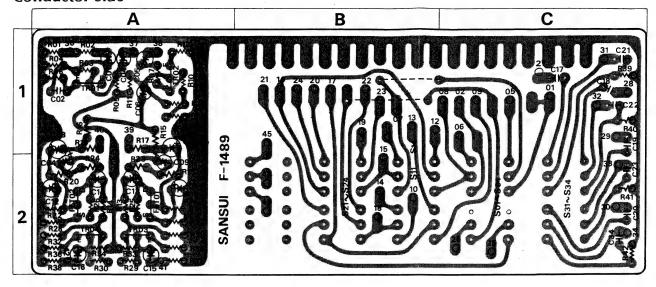
Parts No.	Stock No.	Description	Position
	(0306011, 2	2SC1222 (E, F)	
TR 01,02	or	or	2 B
	0306091,2	2SC1312® (G, H)	
	0306011,2	2SC1222 (E, F)	
TR03,04	or	or	2 A , B
	0306091,2	2SC1312(R) (G, H)	
TD.	0300470	2SA726(W) (F)	3 A
TR ₀₅	or	or 2SA726® (F, G)	3 ^
	(0300410, 1	2SC1222 (E, F)	
TR06,07	0306011,2 or	or 0	3 A . 1 A
11100707	0306091,2	2SC1312® (G, H)	
	(0300470	2SA726® (F)	
TR ₀₈	or	or Transisto	or 1 A
	0300410, 1	2SA726® (F, G)	
	(0306011, 2	2SC1222 (E, F)	
TR09,10	or	or	3 B
	0306091,2	2SC1312® (G, H)	
	(0306011, 2	2SC1222 (E, F)	
TR11,12	⟨ or	or	1 B
	0306091,2	2SC1312® (G, H)	
T D	0300470	2SA726(W) (F)	
TR13,14	or	or	3 B
	0300410,1	2\$A726® (F, G)	
TR15,16	0300470	2\$A726® (F)	1 B
1 115,16	or 0300410, 1	or 25 A 724 (P) (F, C)	1 6
	(0300410, 1	2\$A726(R) (F, G) /	
	(0310870	SR-1-FM2	
D601	or	or	2 B
	(0310340	10D-1	
D602	0300470	SR-1-FM2 Diode	3 A , B
D 802	or 0300340	or Diode	0,7,2
	(0310870	SR-1-FM2	
D603	or	or	1 A
	0310340	10D-1	
C01	0519102	3.3/tF)	2 B
C02	0519102	$\frac{3.3\mu\text{F}}{3.3\mu\text{F}}$ 50V E.C.	2 B
C03	0600107	0.01 μF)	2 B
C04	0600107	0.01 µF	2 B
C05	0600157	0.015/tF	3 A
C06	0600157	0.015 µF > 50V M.C.	3 A
C07	0600107	0.01 μF	1 A
C08	0600107	0.01 µF	1 A
C09	0519105	2.2 (/F)	3 A
C10	0519105	$\frac{1.2\mu}{2.2\mu}$ 50V E.C.	3 A
C11	0573108	0.1 (/F)	1 A
C12	0573108	$0.1 \mu\text{F}$ 25V T.C.	1 A
C13	0600607	0.06 μF)	3 A
C14	0600607	0.06//F	3 A
C15	0600126	0.0012 μF 50V M.C.	1 A
C16	0600686	$0.0068 \mu F$	1 A
C17	0573228	0.22μΕ)	3 A
C18	0573228	0.22.45	3 A , B
C19	0573228	$0.22 \mu F$ 25V T.C. $0.22 \mu F$	1 A
C20	0573228	0.22 μF	1 A
C21	0600106	0.001 ((E)	1 A
C22	0600156	$0.001 \mu F$ $\pm 5 \%$ 50V M	.C. 1 A
C23	0660470	47 pF)	3 B
	0660470	47 05	3 B
		4/ Pi > 50V C.C.	
C24 C25	0660470	47 pF (50 V C.C.	1 B



Parts No.	Stock No.	Description	Positio
C27	0513100	10μF) 25V F.C	1 B
C28	0513100	$10\mu F$ 25V E.C.	1 B
C29	0510101	100μΕ	3 B
C30	0510101	100 µF 6.3V E.C.	3 B
C31	0510101	100 μΕ	1 B
C32	0510101	100 μF J	1 B
C33	0573478	0.47 µF	3 B
C34 C35	0573478	$0.47 \mu\text{F}$ 25V T.C.	3 B
C36	0573478 0573478	0.47 μF (0.47 μF)	1 B 1 B
C36	0660151	150 pF)	1 5
C38	0660151	150 pF	
C39	0660151	150 pF 50V C.C.	
C40	0660151	150 pF	
C601	0513221	220 μF)	2 A
C602	0513221	220 uF	2, 3 A
C603	0513221	220 μF 25V E.C.	1,2A
C604	0513100	10μF)	2 B
C605	0573108	$0.1 \mu\text{F}$ 25V T.C.	2 B
C606	0573108	$0.1 \mu \text{F}$ 23V 1.C.	2 B
Roı	0106222	$2.2k\Omega$ $\pm 5\%$ ¼W C.R.	2 B
Ro2	0106222	$2.2k\Omega$ (E.L.R.)	2 B
Ro3	0107224	220kΩ)	2 B
R04	0107224	220kΩ	2 B
Ros	0107104	100kΩ	2 B
R06	0107104	100kΩ	2 B
R 07	0107222	$2.2k\Omega$ $\pm 5\%$ ½W C.R.	2 B
Ros	0107222	2.2kΩ	2 B
Ro9	0107222	2.2kΩ	2 B
R 10	0107222	2.2kΩ	2 B
R11	0107224	220kΩ) 220kΩ)	2 B 2 B
R 12 R 13	0106224 0106223	$22k\Omega$ $\pm 5\%$ $\frac{1}{4}$ W C.R.	2 B
R 14	0106223	22kΩ (E.L.R.)	2 B
R 15	0107152	1.5k(0)	2 A
R 16	0107152	$\frac{1.5k\Omega}{1.5k\Omega}$ ± 5% ¼W C.R.	2 A
R 17	0106152	1.5kΩ)	2 A
R 18	0106152	$1.5k\Omega$ $\rangle \pm 5\%$ $\frac{1}{4}W$ C.R.	2 A
R 19	0106224	(E.L.R.)	2 B
R20	0107224	$\frac{220k\Omega}{20000}$ ± 5% ½W C.R.	2 A
R21	0107224	220k11)	2 B
R22	0106224	220k Ω \pm 5 % $\frac{1}{4}$ W C.R. (E.L.R.)	2 B
R 23	0107104	100kΩ)	2 A
R 24	0107104	100kΩ	2 A
R 25	0107104	100kΩ	2 A
R 26	0107104	$100k\Omega$ ± 5% ½W C.R.	2 A
R 27	0107104	100k11	2 A
R 28	0107104	100kΩ	2 A
R 29	0107104	100kΩ	2 A
R30	0107104	100kΩ)	2 A
R31	0106563	$\frac{56k\Omega}{500}$ $\pm 5\%$ ½W C.R.	2 A
R32	0106563 0107563	$56k\Omega$ (E.L.R.) $56k\Omega \pm 5\%$ ½W C.R.	2 A
R33	010/563		2 A
R34	0106563	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 A
R35 R36	0107563	$56k\Omega \pm 5\% $	3 A
R37	0106563	56kΩ)	3 A 1 A
R38	0106563	56kΩ	1 A
R39	0106104	1001.0	3 A
R40	0106224	$\frac{100k\Omega}{220k\Omega} \left(\pm 5\% \right) \frac{1}{4}W \text{ C.R.}$ (E.L.R.)	3 A
R41	0106224	220kΩ (E.E.K.)	1.A
R42	0106104	100kΩ)	1 A

R43 R44 R45 R46	0107224					
R45		220kΩ ±	5 %	1/4 W	C.R.	3 A
	0106104	100k Ω)				3 A
RAA	0106104	100kΩ				1 A
1140	0106224	220kΩ				1 A
R47	0106682	6.8kΩ				3 A
R48	0106682	6.8kΩ				3 A
R49	0106682	6.8kΩ				1 A
R 50	0106682	6.8kΩ				1 A
R 51	0106682	6.8kΩ				3 A
R52	0106682	6.8kΩ				3 A
R53	0106682	6.8kΩ ±	5 %	1/4W	C.R.	1 A
R54	0106682	6.8kΩ		(E.L	.R.)	1 A
R55	0106223	22kΩ				3 A
R56	0106223	22kΩ				3 A
R57	0106153	15kΩ				1 A
R58	0106153	15kΩ				1 A
· R 59	0106223	22kΩ				3 A
R 60	0106223	22k Ω				3 B
R61	0106223	22k Ω				1 A
R62	0106223	22kΩ)				1 A
R63	0107104	$100k\Omega$)				1 B
R64	0107104	100kΩ} ±	5 %	1/4 W	C.R.	1 B
R65	0106154	150kΩ)				3 A
R66	0106154	150kΩ				3 A
R67	0106154	150kΩ				1 A , B
R68	0106154	150kΩ				1 A
R69	0106124	120kΩ				3 B
R 70	0106124	120kΩ				3 B
R 71	0106124	120kΩ				1 B
R72	0106124	120kΩ				1 B
R73	0106392	3.9k Ω				3 A
R74	0106392	3.9kΩ				3 B
R75	0106392	3.9kΩ				1 B
R76	0106392	3.9kΩ				1 A , B
R77	0106824	820kΩ				3 B
R 78	0106824	820kΩ				3 B
R79	0106824	820kΩ				1 B
R80	0106824	- 1	- 5 %	1/4 W	C.R.	1 B
R81	0106123	12kΩ	/ _		R.)	3 B
R82	0106123	12kΩ				3 B
R83	0106123	12kΩ				1 B
R84	0106123	12kΩ				1 B
R85	0106123	12kΩ				1 B
R86	0106123	12kΩ				1 B
R 87	0106104	100kΩ				1 B
R88	0106104	100kΩ				1 B
R89	0106122	1.2 k Ω				3 B
R90	0106122	1.2kΩ				3 B
R91	0106122	1.2kΩ				1 B
R92	0106122	1.2kΩ				1 B
R92	0106104	100kΩ				3 B
R93	0106104	100kΩ				3 B
R94 R95	0106104	100kΩ				1 B
R96	0106104	100kΩ				1 B
R601	0106104	8.2kΩ				10

4-12. F-1489 Mixing & Accessory Circuit Board (Stock No. 7610060 Complete Circuit Board....QRX-5500A)



Parts No.	Stock No.	Description	Position
	(0305880, 1	2SC1000 (GR, BL)	
	or	or	
TRoi	0306011,2	2SC1222 (E, F)	1 A
	or ·	or	
	0306071,2	2SC1313 (G, H)	
	(0305880, 1	2SC1000 (GR, BL)	
	or	or	
TR02	0306011,2	2SC1222 (E, F)	1 A
	or	or	
	l 0306071, 2	2SC1313 (G, H)	
	(0305880, 1	2SC1000 (GR, BL) Transistor	
	or	or	
TR ₀₃	0306011, 2	2SC1222 (E, F)	2 A
	or	or	
	0306071,2	2SC1313 (G, H)	
	(0305880, 1	2SC1000 (GR, BL)	
	or	or	
TR ₀₄	0306011,2	2SC1222 (E, F)	2 A
	or	or	
•	0306071,2	2SC1313 (G, H)	
C01	0573108	0.1 μF 35WV T.C.	1 A
C ₀₂	0657101	100 pF) 50V C.C.	1 A
C03	0657471	470 pF 50V C.C.	
C04	0573478	$0.47 \mu F$	1 A
C05	0573478	$0.47 \mu F$ 35V T.C.	1 A
C06	0515109	$1\mu\text{F}$ 50V E.C.	1 A
C07, 08	0573688	0.68μF 35WV T.C.	1,2A
C09, 10	0510470	47μF 6.3V E.C.	2 A
C11, 12	0519105	2.2μF 50V E.C.	2 A
C13	0620151	150 pF)	2 A
C14	0620151	150 pF 50V P.C.	2 A
C15	0620151	150 pF (50V P.C.	2 A
C16	0620151	150 pF)	2 A
C17	0600227	0.022μF)	1 C
C ₁₈	0600227	0.022µF	1 C
C19	0600227	0.022μF 50V M.C.	1 C
C ₂₀	0600227	0.022μF	2 C

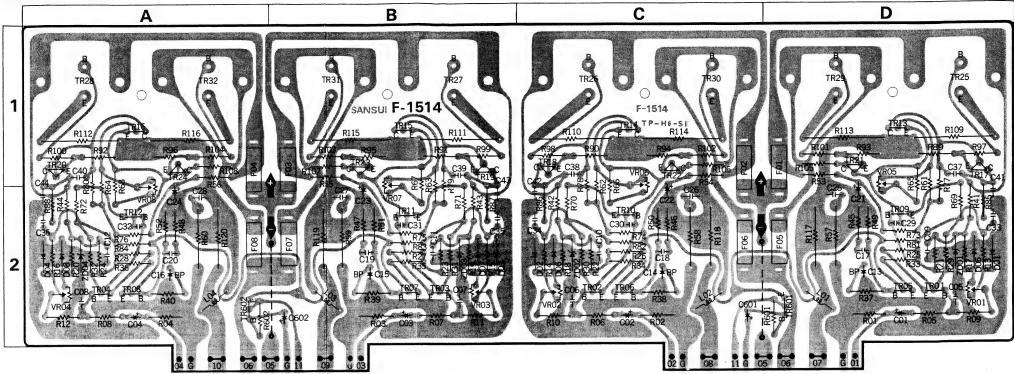
arts No.	Stock No.	Descri	ption	Position
Roi	0106103	10kΩ \		1 A
R02	0106102	1kΩ		1 A
Ro3	0106394	390kΩ		1 A
R04	0106563	56kΩ		1 A
R05	0106333	33kΩ		1 A
R06	0106272	2.7kΩ		1 A
R 07	0106272	2.7 k Ω		1 A
Ros	0106564	560kΩ		1 A
R09	0106474	470kΩ		1 A
R10	0106274	270kΩ		1 A
R11	0106393	39kΩ 1/	C D	1 A
R13, 14	0106104	100kΩ } 1/4 W	C.R.	2 A
R15, 16	0106104	100kΩ		1 A
R17, 18	0107274	270kΩ		1 A
R19, 20	0106474	470kΩ		2 A
R21, 22	0106223	22kΩ		2 A
R23, 24	0106472	4.7kΩ		2 A
R25, 26	0107104	100kΩ		2 A
R27	0106333	33kΩ		2 A
R28	0106333	33kΩ		2 A
R29	0106333	33k Ω		2 A
R 30	0106333	33k Ω		2 A
Soi	1130750	Push Switch		2 C

4-13. F-1514 Driver Circuit Board (Stock No. 7571230 Complete Circuit Board QRX-7500A)

Parts List

Parts No.	Stock No.	Descri	ption	Position
	0300302, 3	2SA640 (K, L))	
Γ R 01,02 {	or	or		2D.2C
	0300410, 1	2SA726® (F, G)		
	0300302, 3	2SA640 (K, L)		
R03, 04	or	or O (= 5)		2 B . 2 A
į	0300410, 1	2SA726® (F, G)		
	0300302, 3	2SA640 (K, L)		
Ros, 06	or	or		2 D . 2 C
	0300410, 1	2SA726® (F, G)		
Do- 00	0300302, 3	2SA640 (K, L)		0.0.04
R07, 08	or	or		2 B . 2 A
	0300410, 1	2SA726(R) (F, G)		
.Doc 10	0306020, 1	2SC983 (O, R)		00.00
R09, 10	or	or 000075 (D. F. 5)		2 D . 2 C
	0305980~2	2SC875 (D, E, F)		
·B., 10	0306020, 1	2SC983 (O, R)	Transistor	0.0.0.4
R11, 12	or	or 000075 (D. E. E)		2 B . 2 A
R13, 14	0305980~2	2SC875 (D, E, F)		1D.1C
R15, 16	0305872	2SC984 (C)		1B.1A
R17, 18	0305872	2SC984 (C)		1D.1C
R17, 10	0305901	2SC1124 (2) 2SC1124 (2)		1B.1A
R21, 22	0305901	2SA706 (2)		1D.1C
R21, 22	0300401	2SA706 (2)		1 B . 1 A
•	0300401	2SC1030 (B, C)		10.17
R25, 26	0305631, 2	or		1D.1C
R ₂₇ , 28	or 0305830, 1	2SC1111 (O, R)		1B.1A
	0300551, 2	2SA756 (B, C)		
R29, 30	or	or		1D.1C
R31, 32	0300580, 1	2SA744 (O, R)		1B.1A
ΓR601	0300680	2SA733 ② (P)		
ΓR602	0300681	2SA733 ② (Q)		
11002			,	
	0311180	151588		
D	or	or 100472		2 D.2C
D01, 02	0311160	152473		20.20
	or	or DS 430		
	(0340090	DS-430		
	0311180	151588		
Dan	or	or 152472		2 B . 2 A
D03, 04	0311160	152473		_5.2/
	0740090	or DS-430		
	(0340090	1S1588	ode	
		ł		
Dos 0/	O311160	or 1S2473		2D.2C
D05, 06	1	0r		0
	or 0340090	DS-430		
	(0311180	151588		
	or	or		
D07, 08	0311160	152473		2 B . 2 A
_ 0. / 00	or	or		
	0340090	DS-430		
7Da1	•			2D 2C
ZD01, 02	0316300	RD-12E(C) Ze	ner Diode	2D.2C 2B.2A
ZD03, 04	0316300	RD-12E(C) J		
L01, 02	4290210	2R5K Coil		2 D . 2 C
L03, 04	4290210	2R5K)		2 B . 2 A
C01, 02	0519103	$0.47 \mu F$		2 D . 2 C
C03, 04	0519103	0.47 μΕ	5.0	2 B . 2 A
		68pF 50V	E.C.	2D.2C
C05, 06	0660680	oopr I		

Conductor Side



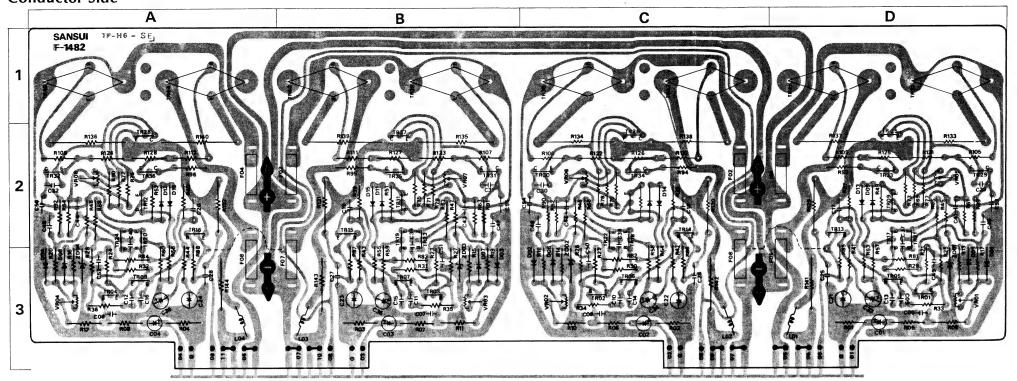
Parts No.	Stock No.	Description	
C09, 10	0657473	0.047μF) 50V E.C.	2 D . 2 C
C11, 12	0657473	$0.047 \mu \text{F}$	2 B . 2 A
C13, 14	0531101	100μ F BP.E.C.	2 D . 2 C
C15, 16	0531101	100μF) Br.E.C.	2 B . 2 A
C21, 22	0515100	$10 \mu F$ 50V E.C.	2 D . 2 C
C23, 24	0515100	10μF) 30V E.C.	1, 2B. 2A
C25, 26	0600687	$0.068 \mu F$ 50V M.C.	2 D . 2 C
C27, 28	0600687	0.068μF) 30V W.C.	2 B . 2 A
C29, 30	0660220	22pF)	2 D . 2 C
C31, 32	0660220	22pF	2 B . 2 A
C33, 34	0657473	$0.047 \mu F$ 50V C.C.	2D.2C
C35, 36	0657473	0.047 μF (30V C.C.	2 B . 2 A
C37, 38	0660101	100pF	2 D . 1 C
C39, 40	0660101	100pF)	2 B . 1 A
C601	0515330	$33\mu F$ 50V E.C.	2 C
C602	0515330	33μF) 30V E.C.	2 B
C901	0657221	220pF \	
C902	0657221	220pF	
C903	0657221	220pF	
C904	0657221	220pF 50V C.C.	
C905	0657101	100pF (30V C.C.	
C906	0657101	100pF	
C907	0657101	100pF	
C908	0657101	100pF)	
C909	0515330	$33\mu F$ 50V E.C.	
R01, 02	0107104	100k Ω)	2D.2C
R03, 04	0107104	100kΩ	2 B . 2 A
Ros, 06	0107103	10kΩ (1/1/4 G.B.	2D.2C
R07, 08	0107103	10kΩ / 1/4W C.R.	2 B . 2 A
R09, 10	0107104	100kΩ	2D.2C
R11, 12	0107104	100kΩ)	2 B . 2 A

Parts No.	Stock No.	Description	Position
R13, 14	0107183	18kΩ)	2 D . 2 C
R15, 16	0107183	18kΩ	2 B . 2 A
R17, 18	0107683	68kΩ	2 D . 2 C
R19, 20	0107683	68kΩ	2 B . 2 A
R21, 22	0107103	lOkΩ	2 D . 2 C
R23, 24	0107103	10kΩ	2 B . 2 A
R25, 26	0107100	10Ω	2 D . 2 C
R ₂₇ , ₂₈	0107100	10Ω	2 B . 2 A
R29, 30	0107152	1.5kΩ	2 D . 2 C
R31, 32	0107152	1.5kΩ	2 B . 2 A
R33, 34	0107100	10Ω $1/4$ W C.R.	2 D . 2 C
R35, 36	0107100	10Ω	2 B . 2 A
R 37, 38	0107332	3.3kΩ	2D.2C
R39, 40	0107332	3.3kΩ	2 B . 2 A
R41, 42	0107682	6.8kΩ	2 D . 2 C
R43, 44	0107682	6.8kΩ	2 B . 2 A
R49, 50	0107563	56kΩ	2 D . 2 C
R51, 52	0107563	56kΩ	2 B . 2 A
R53, 54	0107182	1.8kΩ	2 D·. 1 C
R55, 56	0107182	1.8kΩ)	1B.1A
R57, 58	0152100	10Ω _{2W} Ce.R.	2 D . 2 C
R59, 60	0152100	10Ω) 2VV Ce.k.	2 B . 2 A
R61, 62	0107332	3.3kΩ)	1,2D.1,2C
R63, 64	0107332	3.3kΩ	1,2B.1,2A
R65, 66	0107821	820Ω	1,2D.1,2C
R67, 68	0107821	820Ω	1,2B.1,2A
R69, 70	0107680	68Ω \rangle $^{1}/_{4}$ W C.R.	2 D . 2 C
R71, 72	0107680	Ω 86	2 B . 2 A
R73, 74	0107472	4.7kΩ	2D.2C
R75, 76	0107472	4.7kΩ	2 B . 2 A
R77, 78	0107390	39Ω J	1,2D.1,2C

arts No.	Stock No.	Description	Position
R79, 80	0107390	39Ω)	1,2B.1,2A
R81, 82	0107479	4.7Ω	2 D . 2 C
₹83, 84	0107479	4.7 Ω	2 B . 2 A
R 89, 90	0107221	220Ω	1D.1C
R 91, 92	0107221	220Ω	1 B . 1 A
R 93, 94	0107221	220Ω 1/4W C.R.	1 D.1 G
? 95, 96	0107221	220Ω	1 B . 1 A
R97, 98	0107689	Ω 8.6	1D.1C
R99, 100	0107689	Ω 8.6	1 B . 1 A
R101, 102	0107689	0.8.6	1D.1C
R103, 104	0107689	ا Ω8.6	1 B . 1 A
R109, 110	0133478	0.47Ω	1 D . 1 C
R111, 112	0133478	0.47Ω	1 B . 1 A
R113, 114	0133478	0.47Ω 3W Ce.R.	1D.1C
R115, 116	0133478	0.47Ω	1 B . 1 A
R117, 118	0104479	4.7Ω	2 D . 2 C
R119, 120	0104479	4.7Ω 1W C.R.	2 B . 2 A
R601	0107222	$2.2k\Omega$	2 D
R602	0107222	$2.2k\Omega$ $^{1/4}W$ C.R.	2 A
VR01, 02	1035110	4.7kΩ (B)	2 D . 2 C
VR03, 04	1035110	4.7kΩ (B)	2 B . 2 A
VR05, 06	1035070	1.0kΩ (B) Semi-Variable R	esistor 1,2D.1,2C
VR07, 08	1035070	1.0kΩ (B) J	1,2B.1,2A
F01, 02	0433640	5A)	1,2D.1,2C
F03, 04	0433640	5A Quick Acting Eu	1,2B.1,2A
F05, 06	0433640	5A Quick Acting Fu	2 D . 2 C
F 07, 08	0433640	5A)	2 B . 2 A



4-14. F-1482 Driver Circuit Board (Stock No. 7571220 Complete Circuit Board....QRX-5500A) Conductor Side



Parts No.	Stock No.	Descript	ion	Position
TRoi	0300470, 1	2SA726 (F, G)		3 D
TR02	0300470,1	2SA726 (F, G)		3 C
TR03	0300470,1	2SA726 (F, G)		3 B
TR04	0300470,1	2SA726 (F, G)		3 A
TR05	0300470,1	2SA726 (F, G)		3 D
T R06	0300470, 1	2SA726 (F, G)		3 C
TR07	0300470, 1	2SA726 (F, G)		3 B
TR ₀₈	0300470, 1	2SA726 (F, G)		3 A
TR21	0306171,2	2SC1509 (Q, R)		2,3D
TR22	0306171,2	2SC1509 (Q, R)		2, 3 D
TR23	0306171,2	2SC1509 (Q, R)		2,3B
TR24	0306171,2	2SC1509 (Q, R)		2,3 A
TR25	0305121	2SC281 (B)		2 D
TR26	0305121	2SC281 (B)		2 C
T R27	0305121	2SC281 (B)		2 B
T R28	0305121	2SC281 (B)		2 A
	(0306171	2SC1509 (Q)	Transistor	
TR29) or	or	Truisisioi	2 D
	0306172	2SC1509 (R)		
	[0306171	2SC1509 (Q)		
TR30	or	or		2 C
	0306172	2SC1509 (R)		
	(0306171	2SC1509 (Q)		
TR31	or	or		2 B
	0306172	2SC1509 (R)		
	(0306171	2SC1509 (Q)		
TR32	or	or or		2 A
1 1102	0306172	2SC1509 (R)		, -
	(0300591	2SA777 (Q)		
TR33	or	or or		2 B
1 1/33	0300592	2SA777 (R)		20
	(0300591	2SA777 (R)		
TR34	i	23A777 (Q)		2 C
1 1,34	or 0300592	2SA777 (R)		20
	(0300372	23A///(N) /		

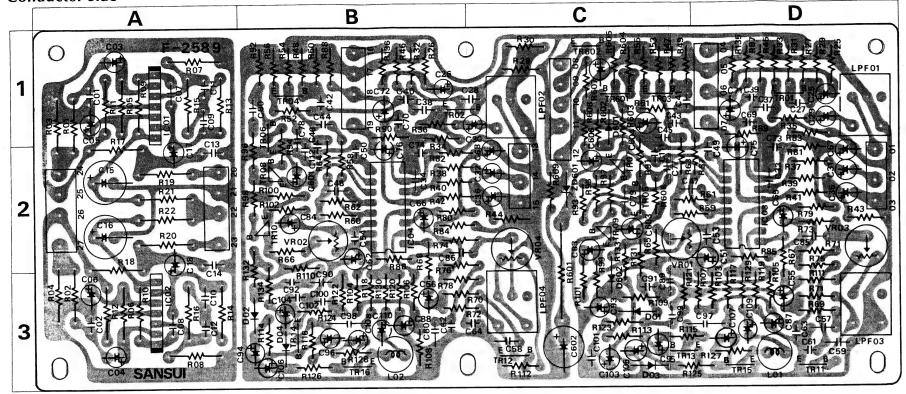
Parts No.	Stock No.	Description	Position
	0300591	2SA777 (Q)	
TR35	or	or	2 B
	0300592	2SA777 (R)	
	(0300591	2SA777 (Q)	
TR36	or	or	2 A
	0300592	2SA777 (R)	
	0305631	2SC1030 (B)	
	or	or	
	0305632	2SC1030 (C)	
TR37	or	or	1 D
	0305831	2SC1111 (O)	
	or	or	
	(0305832	2SC1111 (Y)	
	0305631	2SC1030 (B)	
	or	or	
	0305632	2SC1030 (C)	
TR38	or	or Transisto	r 1C
	0305831	2SC1111 (O)	
	or	or	
	0305832	2SC1111 (Y)	
	(0305631	2SC1030 (B)	
	or	or	
	0305632	2SC1030 (C)	1.0
TR39	or or	or	1 B
	0305831	2SC1111 (O)	
	or	or or (V)	
	1 0305832	2SC1111 (Y)	
	0305631	2SC1030 (B)	
	or	or	
	0305632	2SC1030 (C)	
TR40	or	or	1 A
	0305831	2SC1111 (O)	
	or	or occurr(v)	
	0305832	2SC1111 (Y)	

Parts No.	Stock No.	Descrip	tion	Positio
	(0300551	2SA756 (B)		
	or	or		
	0300552	2SA756 (C)		
TR41	or	or		1 D
	0300581	2SA744 (O)		
	or	or		
	0300582	2SA744 (Y)		
	0300551	2SA756 (B)		
	or	or		
	0300552	2SA756 (C)		
TR42	or	or		1 C
	0300581	2SA744 (O)		
•	or	or		
	0300582	2SC744 (Y) ·		
	(0300551	2SA756 (B)	Transistor	
	or	or		
	0300552	2SA756 (C)		
TR43	or	or		1 B
	0300581	2SA744 (O)		
	or	or		
	0300582	2SA744 (Y)		
	(0300551	2SA756 (B)		
	or	or		
	0300552	2SA756 (C)		
TR44	or	or		1 A
	0300581	2SA744 (O)		
	or	or		
	0300582	2SA744 (Y)		
D01	0340090	DS-430)		3 D
D02	0340090	DS-430 Varistor		3 D
D03	0340090	DS-430		3 D

Parts No.	Stock No.	Description	Position
D04	0340090	DS-430	3 A
D05	0340090	DS-430	3 D
D06	0340090	DS-430 \ Varistor	3 C
D07	0340090	DS-430	3 B
D08	0340090	DS-430)	3 A
ZD ₀₁	0316300	RD-12E(C) Zener Diode	3 D
C01~04	0515109	1/1F 50V E.C.	3D,C,B,A
C05~08	0657680	68 pF]	3D,C,B,A
C09~12	0657102	1000 pF 50V C.C.	3D,C,B,A
C13~16	0657330	33 pF	3D,C,B,A
C17~20	0657150	15 pF	2D,C,B,A
C21~24	0511101	100/cF 10V E.C.	3D,C,B,A
C25~28	0600108	0.1 µF 50V M.C.	3D,C,B,A
C29~32	0657470	47 pF 50V C.C.	2D,C,B,A
C33~36	0515101	100 µF 50V E.C.	3D,C,B,A
C37~40	0657470	47 nF 1	2,3D,C,B,A
C45~48	0657473	47000 pF 50V C.C.	2D,C,B,A
C50	0512470	47/1F 16V E.C.	3 C
C53~56	0657473	47000 pF 50V C.C.	2D,C,B,A
C57~60	0515100	10 (F)	
C61~64	0515109	$1 \mu F$ 50V E.C.	
R01~04	0107154	150kΩ)	3D,C,B,A
R 05~08	0107103	10kΩ	3D,C,B,A
R09~12	0107104	100kΩ	3D,C,B,A
R13~16	0107822	8.2kΩ	3D,C,B,A
R17~20	0107473	47kΩ	3D,C,B,A
R21~24	0107103	$10k\Omega \left\{ \frac{1}{4}W \right\}$ C.R.	3D,C,B,A
R25~28	0107152	1.5k Ω	3D,C,B,A
R29~32	0107152	1.5kΩ	3D,C,B,A
R33~36	0107221	220Ω	3D,C,B,A
R37~40	0107683	68kΩ	2D,C,B,A
R41~44	0107392	3.9kΩ)	3D,C,B,A
R45	0103102	$1k\Omega$ ½W C.R.	2 D
R61~64	0107101	100Ω }	2D,C,B,A
R65~68	0107100	10Ω	2D,C,B,A
R69~72	0107562	5.6kΩ	2D,C,B,A
R73~76	0107152	1.5kΩ	2D,C,B,A
R 77~80	0107330	33Ω	2D,C,B,A
R85~88	0107151	150Ω $\frac{1}{4}$ W C.R.	3D,C,B,A
R89~92	0107100	10Ω (/4 VV C	2D,C,B,A
R 93~96	0107100	10Ω	2D,C,B,A
R105~108	0107689	6.8 Ω	2D,C,B,A
R109~112	0107689	6.8 Ω	2D,C,B,A
R121~124	0107221	220 Ω	2D,C,B,A
R125~128	0107221	220Ω J	2D,C,B,A
R129~132	0132479	4.7 Ω 2W Ce.R.	2D,C,B,A
R133~136	0133478	0.47Ω 3W Ce.R.	2D,C,B,A
R137~140	0133478	0.47(2)	2D,C,B,A
R141~144	0103100	10Ω $\frac{1}{2}$ W C.R.	2D,C,B,A
R145~148	0106332	$3.3k\Omega$ $1/4$ W C.R.	
R149~152	0106682	$6.8k\Omega$ 94 VV C.K.	
L01~04	4290210	Filter Coil	
VR01~04	1035110	4.7kΩ (B) Semi-Variable 1kΩ (B) Resistor	2D,C,B,A 2D,C,B,A
VR05~08	1035070	$1k\Omega$ (B) Resistor	20,C,B,A
F01~04	0433640	5A 250V) Fuse	2D,C,B,A
F05~08	0433640	5A 250V) FUSE	3D,C,B,A
	2310150	Fuse Holder	

4-15. F-2589 Equalizer & CD-4 Circuit Board (Stock No. 7550760 Complete Circuit Board QRX-7500A)

Conductor Side



Parts No.	Stock No.	Description	Position
TR01, 02	0306011, 2 or 0306070, 1	2SC1222 (E, F) or 2SC1313 (F, G)	1 B
TR03, 04	0306011, 2 or 0306070, 1	2SC1222 (E, F) or 2SC1313 (F, G)	1 C . 1 B
TR05, 06 TR07, 08 TR09, 10	0305951~3 0300510,1 0305951~3	2SC945 (Q,P,K) 2SA733 (P, Q) 2SC945 (Q,P,K)	2C. 1, 2B 2C. 2B 2C. 2B
TR11, 12 TR13, 14 TR15, 16 TR601	0305951~3 0305952 0305952 0305951~3		3 B . 3 C 3C, D. 3B 3 B 1 C
TR602 IC01, 02 IC03, 04	0305951~3 0360190 0360330	2SC945 (Q,P,K) J BA312 CD4, 392 I.C.	1 C 1 A . 3 A 2 D . 2 B
D01, 02 D03, 04 D601 D602 ZD601	0311160 0311160 0311160 0311160 0316290	1S2473D 1S2473D 1S2473D Diode 1S2473D RD-12E B	3 C . 3 B 3 C . 3 B 1 C 2, 3 C 2 C
C01, 02 C03, 04 C05, 06	0660470 0519102 0510470	47 pF 50V C.C. 3.3 μF 50V E.C. 47 μF 6.3V E.C.	1 A . 3 A 1 A . 3 A 1 A . 3 A 1 A . 3 A
C07, 08 C09, 10 C11, 12	0660150 0600227 0600686	$ \begin{array}{ccc} 15 \text{pF} & 50 \text{V} & \text{C.C.} \\ 0.022 \mu \text{F} \\ 0.0068 \mu \text{F} \end{array} $	1 A . 3 A 1 A . 3 A
C13, 14 C15, 16 C17, 18	0660331 0514101 0519101	330 pF 50V C.C. 100 μ F 35V E.C. $\frac{1}{\mu}$ F 50V E.C.	2 A 2 A 1,2A.2,3A
C ₂₅ , ₂₆ C ₂₇ , ₂₈	051 9 101 0660221	1 μF	1 C . 1 B 1 D . 1B,C

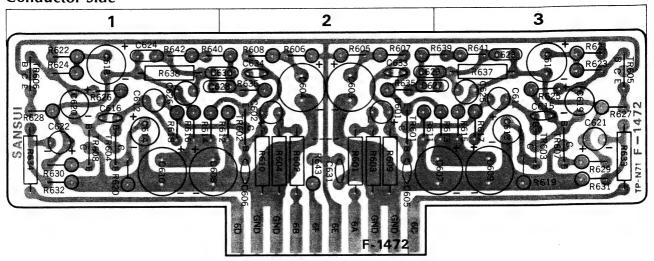
Parts No.	Stock No.	Descr	iption	Position
C ₂₉ , 30	0513479	4.7 / F 25V	E.C.	1D. 1B,C
C 31, 32	0515109	1/1F 50V	E.C.	2 C
C33, 34	0660331	330 pF 50V	C.C.	2 D . 2 B
C35, 36	0512100	10μF 16V	E.C.	2 D . 2 C
C37, 38	0600477	0.047/1F)		1 D . 1 B
C39, 40	0600106	0.001/tF		1 D . 1 B
C41, 42	0600106	0.001 / F 50V	M.C.	1 C . 1 B
C43, 44	0601187	0.018/tF		1 C . 1 B
C45, 46	0601187	0.018/1F)		1C. 1,2B
C47, 48	0660151	150 pF 50V	C.C.	2C,D. 2B
C49, 50	0600107	0.01/tF 50V	M.C.	2 D . 2 B
C51, 52	0512100	10μF 16V	E.C.	2 D . 2 B
C53, 54	0600826	$0.0082 \mu F$ 50V	M.C.	2 D . 2 B
C55, 56	0513479	4.7 μF 25V	E.C.	3 D . 3 B
C57, 58	0600827	0.082/tF)		3 D . 3 C
C59, 60	0600567	0.056 µF		3 D . 3 B
C61, 62	0600107	0.01 μF (50V	M.C.	3 D . 3 B
C63, 64	0600826	0.0082μF)		3D.3C
C65, 66	0515109	1μF 50V	E.C.	2D.2B
C67, 68	0512100	10μF 16V	E.C.	2D.2C
C69, 70	0657222	2200 pF 50V	C.C.	1D.1B
C71, 72	0519101	1μF 50V	E.C.	1D.1B
C73, 74	0657222	2200 pF 50V	C.C.	2D.2B
C75, 76	0519101	1μF 50V	E.C.	1,2 D. 2B
C77, 78	0601226	0.0022μF)		1,2C.1,2B
C79, 80	0601277	$0.022 \mu \text{F}$ 50V	M.C.	2C.1B
C83, 84	0512100	10 µF 16V	E.C.	2 C. 2 B
C85, 86	0600477	0.047μF 50V	M.C.	2 D. 2B, C
C87, 88	0512100	10μF 16V	E.C.	3D.3B
C89, 90	0600337	0.033 (JE)		3 C . 3 B
C91, 92	0600187	0.018 µF 50V	M.C.	3C.3B
C93, 94	0513479	4.7 μF 25V	E.C.	3C.3B

Parts No.	Stock No.	Description	Position
C95, 96	0519103	0.47/1F 50V E.C.	3 C . 3 B
C 97, 98	0600188	0.18µF)	3C,D, 3B
C99, 100	0600397	0.039/tF 50V M.C.	3 C . 3 B
C101, 102	0600187	0.018/4F)	3 C . 3 B
C103, 104	0573228	0.22/tF 35WV T.C.	3 C . 3 B
C105, 106	0515109	1/1F) 50V E.C.	3 C . 3 B
C107, 108	0519103	0.47/1F SUV E.C.	3 D . 3 B
C109, 110	0573688	0.68/tF 35WV T.C.	3 D . 3 B
C111, 112	0601336	0.0033/1F 50V M.C.	2C.2B
C601	0512100	10/1F 16V E.C.	2 B
C602	0513101	100/tF 25V E.C.	3 C
C603	0512100	10μF 16V E.C.	2 C
C604	0513479	4.7μF 25V E.C.	1 C
C605	0515339	3.3 / F) 50 / F G	
C606	0519102	3.3µF 50V E.C.	2 C
C901	0657223	22000 pF 50V C.C.	
R01, 02	0107152	1.5k Ω)	1,2A.2,3A
R03, 04	0107154	150kΩ	1,2A.2,3A
R05, 06	0107104	100kΩ	1 A . 3 A
R07, 08	0107391	390Ω	1 A . 3 A
R09, 10	0107394	390kΩ	1 B . 3 A
R11, 12	0107330	33Ω $\frac{1}{4}$ W C.R.	1 A . 3 A
R13, 14	0107154	150kΩ	1 A . 3 A
R15, 16	0107123	12kΩ	1 A . 3 A
R 17, 18	0107104	100kΩ	2 A . 2,3A
R ₁₉ , 20	0107221	220Ω	2 A
R ₂₁ , ₂₂	0107681	Ω 086	2 A
R ₂₅ , ₂₆	0113104	100kΩ)	1D.1B
R ₂₇ , ₂₈	0113334	330kΩ	1D.1C
R29, 30	0113184	180kΩ (1/4W S.R.	1D.1C
R31, 32	0113101	100Ω	1D.1B
R33, 34	0113392	3.9kΩ)	1D.1B

R35, 36	Parts No.	Stock No.	Description	Position
R39, 48	R35, 36	0113472	4.7kΩ)	
R41, 42	R37, 38	0113103	10kΩ	
R43, 44	R39, 40	0113563	56kΩ	
R45, 46				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			_	
Ref., 50				
RS1, 52	_		_ 1	
R85, 54 0113392 3,9 kΩ 1 C. 1 B R85, 56 0113101 100Ω 1.20.1.28 R87, 58 0113373 2.7 kΩ 1.20.1.28 R87, 58 0113103 10 kΩ 2.0.2.2 R83, 64 0113153 15 kΩ 2.0.2.2 R87, 68 0113272 2.7 kΩ 2.30.2.38 R89, 70 0113331 330Ω 30.3 kΩ				
R55, 56 0113101 100 Ω 1.C. 1 B 1.2D. 1.2B 2.C.D. 2 B 2.				1 C. 1 B
R57, 58			_	
R89, 60				1,2D.1,2B
Res. 64	_		_	2C,D. 2 B
R6s, 66 0113154 150kΩ 2C.2B R6r, 68 0113272 2.7kΩ 2.3D.23B R69, 70 0113331 330Ω 30Ω 3D.3B,C R71, 72 0113222 2.2kΩ 3D.3B,C 2D.2B,C R73, 74 011353 15kΩ 2D.2B,C 2D.2B,C R77, 78 0113153 15kΩ 3B.C 2D.2B,C R79, 80 0113563 56kΩ 2D.2B,C 2B,C R81, 82 0113473 47kΩ 2D.2B,C 2B,C R83, 84 0113473 47kΩ 1D.2B,C 2B,C R89, 90 0113473 47kΩ 1D.2B,C 2B,C R89, 90 0113473 47kΩ 1D.1B 1D.2B,C R89, 90 0113473 47kΩ 1D.1B 1D.1B R89, 90 0113473 47kΩ 1D.1B 1.2C,1B R89, 90 0113153 15kΩ 2C.1,2B 2C.1,2B R89, 90 0113323 37kΩ 2C.1,2B 2C.2,1B R89, 90 0113563 56kΩ 3D.3B 1.2C.1B	R61, 62	0113103	10kΩ	
R67, 68 0113272 2.7kΩ 2,3D.2,3B R89, 70 0113331 330Ω 3D.3B.C R71, 72 0113222 2.2kΩ 3D.3B.C R73, 74 0113123 12kΩ 2D.2B.C R77, 78 0113123 12kΩ 3B.C R79, 80 0113473 47kΩ 3B.C R81, 82 0113473 47kΩ 2D.2B.C R83, 84 0113473 47kΩ 1D.2B.C R85, 86 0113473 47kΩ 1D.1B R89, 90 01131473 47kΩ 1D.1B R91, 92 0113103 10kΩ 1.2C.1B R93, 94 0113153 15kΩ 2C.1.2B R97, 98 0113393 39kΩ 2C.2 B R99, 100 0113561 566Ω 3D.3 B R107, 108 0113563 56kΩ 3D.3 B R107, 108 0113353 15kΩ 3D.3 B R109, 110 01133563 56kΩ 3D.3 B R109, 110 01133563 56kΩ 3D.3 B R109, 110 0113331 330Ω 3D	R63, 64	0113561	560Ω	
Ref. 70				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	_			
R75, 76	_			
R77, 78				
R79, 80				
R81, 82				
R83, 84				
$\begin{array}{c} \text{R85}, 86 & 0113479 & 4.7 \Omega \\ \text{R87}, 88 & 0113473 & 47k \Omega \\ \text{R89}, 90 & 0113473 & 47k \Omega \\ \text{R91}, 92 & 0113103 & 10k \Omega \\ \text{R92}, 94 & 0113273 & 27k \Omega \\ \text{R93}, 94 & 0113273 & 27k \Omega \\ \text{R95}, 96 & 0113153 & 15k \Omega \\ \text{R97}, 98 & 0113393 & 39k \Omega \\ \text{R99}, 100 & 0113122 & 1.2k \Omega \\ \text{R99}, 100 & 0113561 & 560 \Omega \\ \text{R101}, 102 & 0113563 & 56k \Omega \\ \text{R103}, 104 & 0113563 & 56k \Omega \\ \text{R105}, 106 & 0113563 & 56k \Omega \\ \text{R107}, 108 & 0113332 & 3.3k \Omega \\ \text{R107}, 108 & 0113332 & 3.3k \Omega \\ \text{R109}, 110 & 0113332 & 3.3k \Omega \\ \text{R111}, 112 & 0113152 & 1.5k \Omega \\ \text{R113}, 114 & 0113103 & 10k \Omega \\ \text{R117}, 118 & 0113331 & 330 \Omega \\ \text{R117}, 118 & 0113331 & 330 \Omega \\ \text{R117}, 118 & 0113332 & 3.9k \Omega \\ \text{R112}, 122 & 0113182 & 1.8k \Omega \\ \text{R123}, 124 & 0113272 & 2.7k \Omega \\ \text{R124}, 120 & 0113821 & 820 \Omega \\ \text{R125}, 126 & 0113821 & 820 \Omega \\ \text{R127}, 128 & 0113821 & 820 \Omega \\ \text{R129}, 130 & 0113821 & 820 \Omega \\ \text{R123}, 134 & 0113823 & 82k \Omega \\ \text{R129}, 130 & 0113821 & 820 \Omega \\ \text{R131}, 132 & 0113273 & 27k \Omega \\ \text{R603} & 0113821 & 820 \Omega \\ \text{R604} & 0113222 & 2.2k \Omega \\ \text{R605} & 0113472 & 4.7k \Omega \\ \text{R606} & 0113224 & 220k \Omega \\ \text{R607} & 0113224 & 220k \Omega \\ \text{R608} & 0113822 & 8.2k \Omega \\ \text{R609} & 0113472 & 4.7k \Omega \\ \text{R606} & 0113472 & 4.7k \Omega \\ \text{R607} & 0113224 & 220k \Omega \\ \text{R608} & 0113472 & 2.7k \Omega \\ \text{R608} & 0113822 & 8.2k \Omega \\ \text{R609} & 0113472 & 4.7k \Omega \\ \text{R606} & 0113224 & 220k \Omega \\ \text{R607} & 0113224 & 220k \Omega \\ \text{R608} & 0113472 & 4.7k \Omega \\ \text{R609} & 0113472 & 4.7k \Omega \\ \text{LF01}, 02 & 4910340 & DC-13Q \\ \text{LF01}, 02 & 4910340 & DC-13Q \\ \text{LF01}, 02 & 4910340 & DC-13Q \\ \text{LF03}, 04 & 0910340 & DC-13Q \\ \text{Ceramic Filter} \\ \text{VR01}, 02 & 1035130 & 10k \Omega(B) \\ \text{VR03}, 04 & 1035130 & 3020-5A & 5P (5P D Type) \\ 2410580 & 3020-3A & 3P (3P D Type) \\ 2410580 & 3020-3A & 3P (3P D Type) \\ 2410580 & 3020-3A & 3P (3P D Type) \\ 2410580 & 3020-4A & 4P (4P D Type) \\ \text{Pin Ass'y} \\ \text{Pin Ass'y} \\ \text{Decay} \\ \text{Decay} \\ \text{R001} \\ \text{Decay} \\ \text{R001} \\ \text{R01} \\ \text{R01} \\ R0$	_			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				2 D . 2 B
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				1 D . 1 B
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_			1 D . 1 B
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		0113103	10kΩ	1,2C.1B
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		0113273	27kΩ	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	R95, 96	0113153	15kΩ	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	R 97, 98	0113393	39kΩ	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	R 99, 100	0113122		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_		_	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			_	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			1	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_		I	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	_			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				3 D . 3 B
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	_		3.9kΩ	3 D . 3 B
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		0113182	1.8kΩ	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	R123, 124	0113272	2.7kΩ	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	R125, 126		_	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$.	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_		_ 1	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_		_ 1	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			_ 1	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	_		_	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			4 7k O	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	R606		$2.2k\Omega$ $\int_{0.8}^{\infty}$	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	R607	0113224	220kΩ	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	R608			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				0.0.00
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	L01,02	4900220	3-306379 100mH Inducto	or 3D.3B
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	LF01, 02	4910340	DC-13Q)	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			(eramic filter	
VR03, 04 1035100 3.3kΩ(B) Semi-Variable Resistor 2 D. 2 C 2410570 3020-5A 5P (5P D Type) 2410580 3020-3A 3P (3P D Type) 2410590 3020-4A 4P (4P D Type) Pin Ass'y			10k O(B))	2C,D. 2B
2410570 3020-5A 5P (5P D Type) 2410580 3020-3A 3P (3P D Type) 2410590 3020-4A 4P (4P D Type)			> Semi-Variable	Resistor
2410580 3020-3A 3P (3P D Type) 2410590 3020-4A 4P (4P D Type)	¥ 1\U3, U4			
2410590 3020-4A 4P (4P D Type)				
				in Ass'y
2410720 2401-40 41 (41 A 1996))				
		2410/20	Zaulare al (al A Type)	



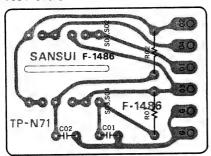
4-16. F-1472 Equalizer Circuit Board (Stock No. 7550750 Complete Circuit Board....QRX-5500A) Conductor Side



Parts No.	Stock No.	Description	Position	
TR601	0300470,1	2SA726 (W)(F, G)		2
TR602	0300470,1	2SA726 (W)(F, G)		2
	(0305766,7	2SC632AW (71, 81)		
TR603	or	or		3
	(0306071, 2	2SC1313® (G, H)		
TD	J 0305766, 7	2SC632A(W) (71, 81)		1
TR604	0306071, 2	or 2SC1313(R) (G, H)	ansistor	•
TR605	0306071, 2	2SC1313(g) (G,11) 2SC1362 (71, 81)		3
TR606				1
	0306141, 2	2SC1362 (71, 81)		3
TR607	0300680, 1	2SA733② (P, Q)		1
TR608	0300680,1	2SA733② (P, Q)		
C601	0573229	2.2/tF) 25V	T.C.	2
C602	0573229	2.2/tF) 23V	1.0.	2
C603	0513330	33/4F) 25V	E.C.	2
C604	0513330	33/11)	0.	2
C605	0660330	33pF) 50V	C.C.	2
C606	0660330	33pF)		2, 3
C607	0512101	100/tF) 16V	E.C.	1, 2
C608	0512101	100/tF)		3
C609	0513470	47/1F) 25V	E.C.	1
C610	0513470	47/1FJ		3
C61.1	0620681	$\frac{680 \text{pF}}{480 \text{pF}} \pm 5\% 50 \text{V}$	P.C.	1
C612 C613	0620681 0511330	680pF) = 575 557 33/4F)		3
C614	0511330	$33\mu\text{F}$ 10V	E.C.	1
C615	0660220	22nF)		3
C616	0660220	$\frac{22p^{2}}{22p^{2}}$ $\pm 10\%$ 50V	C.C.	1
C617	0515100	10 (/F)		3
C618	0515100	10/4F} 50V	E.C.	1
C619	0511330	33 <i>u</i> E)		3
C620	0511330	33/tF) 10V	E.C.	1
C621	0519101	1 (/F)		3
C622	0519101	1/4F) 50V	E.C.	1
C623	0600226	$0.0022/\iota F$ $\pm 5\%$ 50V	м.с	3
C624	0600226	$0.0022/4F$ $\pm 5\%$ 50V	M.C.	1
C625	0620821	$820 pF$ $\pm 5\%$ 50V	P.C.	3
C626	0620821	820pF) —	1.0.	1
C627	0600107	0.01/1F		
C628	0600107	0.01 /rF > 50V	C.C.	_
C 631	0657223	0.022 µF)		2
R601	0107222	$2.2k\Omega$ ± 5 % 1/4 W	, C D	2
R602	0107222	$\frac{2.2k\Omega}{2.2k\Omega}$ ± 5% ¼W	C.R.	2

Parts No.	Stock No.	No. Description		
R603	0107683	68kΩ) «	2	
R604	0107683	$\frac{68k\Omega}{68k\Omega}$ ± 5% $\frac{1}{4}$ W C.R.	2	
R605	0106474	470kΩ)	2	
R606	0106474	470kΩ	2	
R607	0106334	$\pm 5\%$ ¼W C.R	. 2	
R608	0106334	$\frac{330k\Omega}{330k\Omega}$ (E.L.R.)	2	
R609	0107394	390k())	2	
R610	0107394	$\frac{390 \text{k}\Omega}{390 \text{k}\Omega}$ ± 5% $\frac{1}{4}$ W C.R	. 2	
R611	010/0/4	12kΩ)	2	
R612	0106123	12k()	2	
R612	0106123	820Ω $\pm 5\%$ $\frac{1}{4}$ W C.R		
R614	0106821	820Ω (E.L.R.)		
R615	0106334	330kΩ	3	
R616	0106334	330kΩ /	1	
			3	
R617	0106122	1.2kΩ	1	
R618	0106122	1.2kΩ	3	
R619	0106222	$2.2k\Omega$ $2.2k\Omega$	1	
R620 R621	0106222 0106103	2.2kΩ 10kΩ	3	
R621	0106103	10kΩ	1	
R623	0106473	47kΩ	3	
R624	0106473	$47k\Omega$ $\pm 5\%$ $\frac{1}{4}$ W C.R	,	
R625	0106332	3.3kΩ (E.L.R.)		
R626	0106332	3.3kΩ	1	
R627	0106680	68Ω	3	
R628	0106680	68Ω	1	
R629	0106680	68Ω	3	
R630	0106680	68Ω	1	
R631	0106104	100kΩ	3	
R632	0106104	100kΩ)	1	
R633	0107681	680Ω ± 5% ½W C.R	3	
R634	0107681	680Ω) = 660	. 1 2. 2	
R635	0106101	$\frac{100\Omega}{100\Omega}$ ± 5% $\frac{14}{4}$ W C.F. (E.L.R.	: -	
R636	0106101		3	
R637 R638	0107273 0107273	$\begin{pmatrix} 27k\Omega \\ 27k\Omega \end{pmatrix} \pm 5\%$ $\frac{1}{4}$ W C.F	2.]	
R639	010/2/3	270kΩ)	2, 3	
R640	0106274	270kΩ ± 5% ¼W C.F		
R641	0106393	39k() (E.L.R.		
R642	0106393	39kΩ)	1	
R901	0107184	180kO)	0	
R902	0107184	$180k\Omega$ $\pm 5\%$ $\frac{1}{4}$ W C.I	··	

Conductor Side



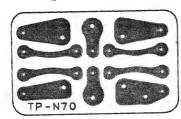
4-17. F-1486 Filter Circuit Board (Stock No. 7593210 Complete Circuit Board ... QRX-5500A) (Stock No. 7593300 Complete Circuit Board ... QRX-7500A)

Parts List

Parts No.	Stock No.	Description		
C01	0600187	$0.018\mu F 0.018\mu F \pm 5\%$	501/	м.с
C02	0600187	$0.018\mu F$ $\pm 5\%$	50 V	M.C.
Roi	0107824	820kΩ) + 5 %	1/14/	C D
R02	0107824	$\frac{820k\Omega}{820k\Omega} \pm 5\%$	74 VV	C.K.
S01~04	1130760	Push Switch		

5-18. F-1490 De-emphasis Circuit Board

Conductor side



(Stock No. 7593240 Complete Circuit Board....QRX-5500A) (Stock No. 7593280 Complete Circuit Board....QRX-7500A)

Parts List

Parts No.	Stock No.	Descripti	on	
C01 C02	0600686 0600686	$0.0068 \mu F \ 0.0068 \mu F \ \pm 5 \%$	50V	M.C.
S01, 02	1110240	Slide Switch		

5-19. Figures

COMPLETE CIRCUIT BOARD	SEMICONDUCTORS	COMPLETE CIRCUIT BOARD
F-1515 F-1517 F-1483 F-2589 F-1472 F-1514	2SD315 2SC1030 2SC1111 2SA756 2SA744	F-1515 F-1514
F-1485 F-2084 F-1484	2SA562 2SC1000 2SA393	F-1517 F-1484
F-1517 F-1472	Ē C B	
	2SC983	F-1514 F-1515
F-1517 F-2084 F-2589 F-1485	ECB	
F-1484 F-1483 F-1472	BA-312	F-2589
F-1517	1234567	
	μPC555H	F-1517
F-1514	1234567	
7	μPC554C	F-1517
F-1483	HA1327 CD4-392	F-2084 F-2589
F-1514	2345678	
	F-1517 F-1517 F-1517 F-1517 F-1483 F-1514 F-1484 F-1484 F-1484 F-1517 F-1472 F-1517 F-1472 F-1517 F-1472 F-1517 F-1517 F-1517 F-1517 F-1517 F-1517 F-1517 F-1517 F-1517	SEMICONDUCTORS SEM

Diode COMPLETE COMPLETE						
SEMICONDU	SEMICONDUCTORS		SEMICONDUCTORS		COMPLETE CIRCUIT BOARD	
1 N34A 1 N60	+	F-1515 F-1485 F-1517	2B2DM		F-1515 F-1483	
10D-1		F-1515 F-2048	1S1007	¥	F-1517	
DS-430	÷	F-1514 F-1517	18953	+	F-1517	
SR1FM-2 SR3AM-4 SR3AM-6 SR3AM-8 SR3AM-10 SR3AM-12 EQB01-18 EQB01-13	1S1588 1S2473 10D-1	F-2084 F-1514 F-2589 F-2048 F-1515 F-1483	RD-12E RD-19A	*	F-2589 F-1515 F-1514	

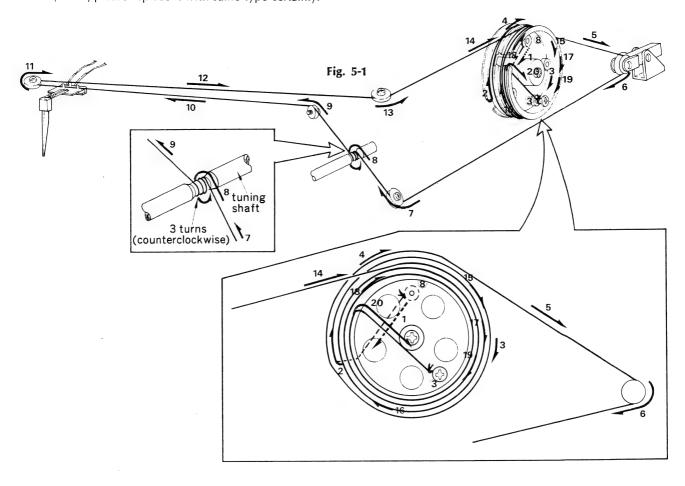
----Abbreviations

Carbon Resistor
Coment Resistor
Cement Resistor
Metallized Film
Resistor
Mylar Capacitor
Electrolytic Capacitor iations

BP.E.C.: Bi-Polar Electrolytic
Capacitor
C.C. : Ceramic Capacitor
Mi.C. : Mica Capacitor
O.C. : Oil Capacitor
P.C. : Polystyrene Capacitor
T.C. : Tantalum Capacitor

5. THREADING OF DIAL CORD

- * If dial cord cut off is or slips, replace cord by following procedures. As QRX-5500A, QRX-7500A is using 0.6 mmφ cord, please replace it with same type certainly.
- * Length of dial cord.....approx. 210cm (82.7 inch)



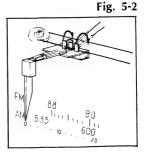
1. How to Thread Dial Cord

- * Thread dial cord in numerical order from 1 to 20 as shown in Fig. 4-1.
- 1) Close the variable capaitor completely (Maximum capacitance).
- 2) Tie cord to number ® screw of the dial pulley and thread cord in direction of arrow from 1 to 7 toward tuning shaft 8.
- 3) After 8, wind cord three turns around the tuning shaft counterclockwise and thread it in direction of arrow from 9 to 19.
- 4) After 20, tie cord to number ③ screw of the pulley.
- * In order to proceed with the above procedure 4) successfully, please follow the instruction undermentioned.
- (1) To strengthen the dial cord's tension, hold around the end of cord and pull it toward the Front Panel.
- (2) Then, turn the tuning shaft counterclockwise, as cord's tension will be more constantly obtained.
- (3) Tie the cord to number ③ screw of the pulley (same as procedure 4).

5) After these procedures, lock the knots of cord with paint.

2. Attachment of Dial Pointer

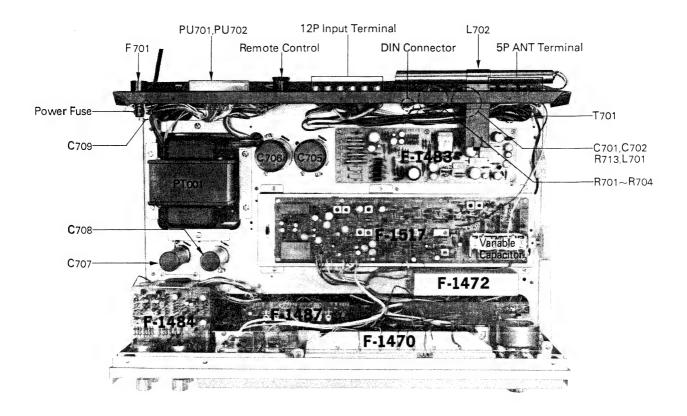
- 1) Close the variable capacitor completely (Maximum capacitance).
- Set the dial pointer to "0" on dial scale and tighten the dial pointer ass'y. (See Fig. 4-2)



* Make sure that the dial mechanism operates smoothly by turning the Tuning knob.

Stock No.	Description
6036050	Dial Cord 0.6mm∮

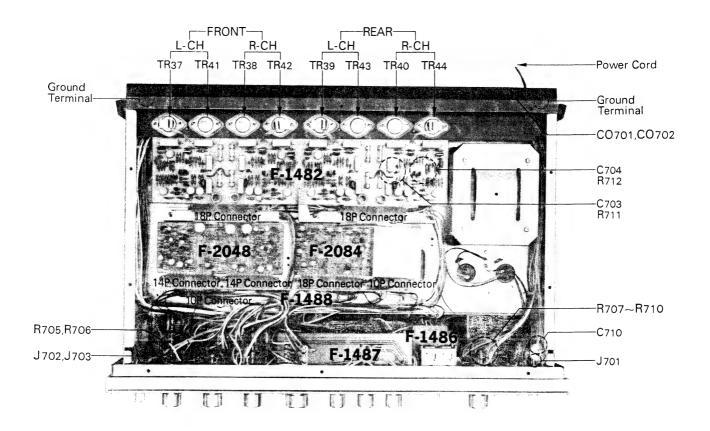
6-1. Other Parts (Top Side)/QRX-5500A



Parts No.	Stock No.	o. Description		
C701	0657473	0.047μF) 50V 6.6		
C702	0657473	0.047 µF 50V C.C.		
C705	0559107	10000μF) 254 F.G		
C706	0559107	10000μF) 35V E.C.		
C707	0559501	1000μF) 63V E.C.		
C708	0559501	1000μF) 63V E.C.		
C709	0605477	0.047μF 250V M.C.		
R 701	0107104	100kΩ)		
R702	0107184	180 kΩ		
R703	0107184	$180 \mathrm{k}\Omega \left(\pm 5 \% \right) $		
R704	0107104	100kΩ)		
R713	0111221	220 Ω ½W S.R.		
R714	0150331	330 Ω 10W Ce.R.		
L701	4290030	1μH Coil		
L702	4200550	Bar Antenna Coil		
T701	4290021	$75\Omega:300\Omega$ FM Balun		
	(2300060	Fuse Holder		
F701	0431290, 2	6A Power Fuse (100V, 117V)		
	0431310	3.5A Power Fuse (220, 240V)		

Parts No.	Stock No.		
PU701	2410090		
PU702	2410080	Voltage Selector, socket	
PT001	4001360	Power Transformer	
	2430040	DIN Connector	
	2010020	9P Remote Control Socket	
	2410540	9P Remote Control Dummy Plug	
	2290170	5P Antenna Terminal	
	2200360	12P Input Terminal	

6-2. Other Parts (Bottom Side)/QRX-5500A

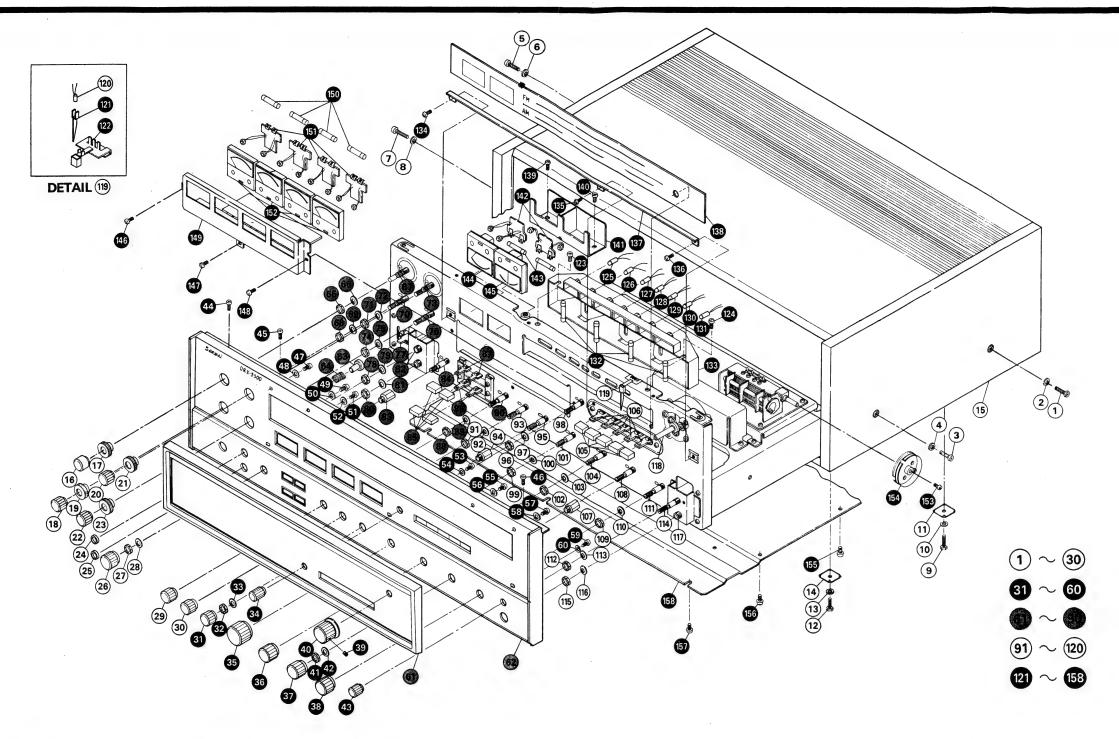


Parts No.	Stock No.	Description	
TR37	0305631	2SC1030(B)	_
TR38	0305631	2SC1030 (B)	
TR39	0305631	2SC1030 (B)	
TR40	0305631	2SC1030 (B)	
TR41	0300551	2SA756 (B) Transistor	
TR42	0300551	2SA756 (B)	
TR43	0300551	2SA756 (B)	
TR44	0300551	2SA756 (B)	
C703	0655103	0.01μF)	
C704	0655103	0.01μF 500V C.C.	
C710	0659801	0.01μF 1.4kV C.C.	
R705	0107473	47kΩ)	
R706	0107473	$\frac{47k\Omega}{47k\Omega}$ ± 5% ½W C.R.	
R707	0202331	330Ω)	
R708	0202331	330Ω	
R709	0202331	330Ω	
R710	0202331	330Ω 2W M.R.	
R711	0202562	5.6kΩ	
R712	0202562	5.6kΩ	

Parts No.	Stock No.	Description
CO701, 702	2450040	AC outlet
J701	2430170	Microphone Jack
J702	2430200	Headphone Jack
J 703	2430200	Headphone Jack
	3800261	KP-205 Power Cord
	2420030	10P Connector
	2420150	14P Connector
	2420020	18P Connector
	2230050	Ground Terminal

$\begin{tabular}{ll} \textbf{6-3. Other Parts (Front Side)}/QRX-5500A \\ \textbf{Parts List} \end{tabular}$

Parts No.	Stock No.	Description	Parts No.	Stock No.	Description
1	5101173	Binding Head Screw, M4 × 45	61	∫5308891	Smoked Plate Frame
2	5186110	Plain Washer, 4ϕ	01	{5047680	Smoked Plate
3	5101173	Binding Head Screw, M4 $ imes$ 45	62	7007180	Front Panel
4	5186110	Plain Washer, 4¢	63	7106083	Push Button. POWER switch
5	5101173	Binding Head Screw, M4 × 45	64	6906031	Spring, POWER switch
6	5186110	Plain Washer, 4 ϕ	65		Hex. Nut, M11
7	5101173	Binding Head Screw, M4 × 45	66		Plain Washer, 11ϕ
8	5186110	Plain Washer, 4ϕ	67	1020240,1	100k Ω (B) $ imes$ 2 BASS Volume
9	5104571	Hexagon Head Bolts, $M4 \times 23$	68		Hex. Nut, M11
10	5121360	Spring Washer, 4 ϕ	69		Plain Washer, 11ϕ
11	5186091	Nail Washer	70	1020240, 1	100k Ω (B) $ imes$ 2 BASS Volume
12	5104571	Hexagon Head Bolts, M4 $ imes$ 23	71		Hex. Nut, M11
13	5121360	Spring Washer, 4 ϕ	72		Plain Washer, 11ϕ
14	5186091	Nail Washer	73	1020250, 1	100k Ω (W) $ imes$ 2 TREBLE Volume
15	5726823	Wood Case	74		Hex. Nut, M11
16	5317671	WO-1 Type Knob, BASS volume	75		Plain Washer, 11φ
17	5317682	WI-1 Type Knob, BASS volume	76	1020250, 1	100k Ω (W)×2 TREBLE Volume
18	5317671	WO-1 Type Knob, BASS volume	77	1130350	Push Switch, POWER switch
19	5317682	WI-1 Type Knob, BASS volume	78		Hex. Nut, M9
20	5317671	WO-1 Type Knob, TREBLE volume	79		Plain Washer, 9 ϕ
21	5317682	WI-1 Type Knob, TREBLE volume	80		Hex. Nut, M9
22	5317671	WO-1 Type Knob, TREBLE volume	81		Plain Washer, 9 ϕ
23	5317682	WI-1 Type Knob, TREBLE volume	82	2430200	Headphone Jack
24	5176052	Jack Nut	83	5236491	Spacer Nut, M9
25	5176052	Jack Nut	84	1102500,1	Rotary Switch Y-224, 244, SPEAKER switch
26	5317642	M-2 Type Knob, SPEAKER switch	85	5326380	Push Button, LOW & HIGH FILTER switch
27		Hex. Nut, M9	86	1130760	Push Switch (2 Stage)
28		Plain Washer, 9 ϕ	87	1130760	Push Switch (2 Stage)
29	5317652	S-2 Type Knob, BALANCE volume	88		Hex. Nut, M8
30	5317652	S-2 Type Knob, BALANCE volume	89		Plain Washer, 8 ϕ
31	5317652	S-2 Type Knob, BALANCE volume	90	1010400, 1	250k Ω (HB) BALANCE Volume
32		Hex. Nut, M9	91		Hex. Nut, M8
33		Plain Washer, 9 ϕ	92		Plain Washer, 8ϕ
34	5317811	P-5 Type Knob, LEVEL SET volume	93	1060250, 1	250k Ω (HB) $ imes$ 4 BALANCE Volume
35	5317632	L-2 Type Knob, VOLUME	94	5236461	Spacer Nut, M8
36	5317642	M-2 Type Knob, FUNCTION switch	95	1010400, 1	250k Ω (HB) BALANCE Volume
37	5317642	M-2 Type Knob, DIRECTION switch	96		Hex. Nut, M8
38	5317642	M-2 Type Knob, SELECTOR switch	97		Plain Washer, 8ϕ
39	5106061	Hex. Socket Setscrew, M4 $ imes$ 6	98	1060260, 1	250k Ω (B) $ imes$ 4 LEVEL SET Volume
40	5317780	N-5 Type Knob, TUNING	99		Hex. Nut, M9
41		Hex. Nut, M9	100		Plain Washer, 9 ϕ
42		Plain Washer, 9 ϕ	101	1060240, 1	250k Ω (B) $ imes$ 4 VOLUME
43	5317811	P-5 Type Knob, MIC. MIXING LEVEL volume	102		Hex. Nut, M9
44	5101043	Binding Head Screw, M3 × 6	103		Plain Washer, 9 ϕ
45	5101043	Binding Head Screw, M3 $ imes$ 6	104	1106120	Rotary Switch Y-6217, FUNCTION switch
46	5101043	Binding Head_Screw, M3×6	105	5326380	Push Button, accessory switch
47	5101042	Binding Head Screw, M3×5	106	1130750	Push Switch (5 Srage)
48	5120141	Plain Washer, 3 ϕ	107	5236491	Spacer Nut, M9
49	5101042	Binding Head Screw, M3×5	108	1102510	Rotary Switch Y-244, DIRECTION switch
50	5120141	Plain Washer, 3 ϕ	109		Hex. Nut, M9
51	5101042	Binding Head Screw, M $3 imes5$	110		Plain Washer, 9 ϕ
52	5120141	Plain Washer, 3 ϕ	111	1107020	Rotary Switch Y-7177, SELECTOR switch
53	5101042	Binding Head Screw, M3 $ imes5$	112		Hex. Nut, M7
54	5120141	Plain Washer, 3ϕ	113		Plain Washer, 7 ϕ
55	5101042	Binding Head Screw, M3×5	114	1060280	$250k\Omega$ (B) \times 2, $50k\Omega$ (B) \times 2
56	5120141	Plain Washer, 3 ϕ			MIC, MIXING LEVEL Volume
57	5101042	Bindind Head Screw, M3×5	115		Hex. Nut, M12
58	5120141	Plain Washer, 3ϕ	116		Plain Washer, 12 ϕ
59	5101042	Binding Head Screw, M3×5	11 <i>7</i>	2430170	Microphone Jack
60	5120141	Plain Washer, 3ϕ	118	7036361	Tuning Ass'y



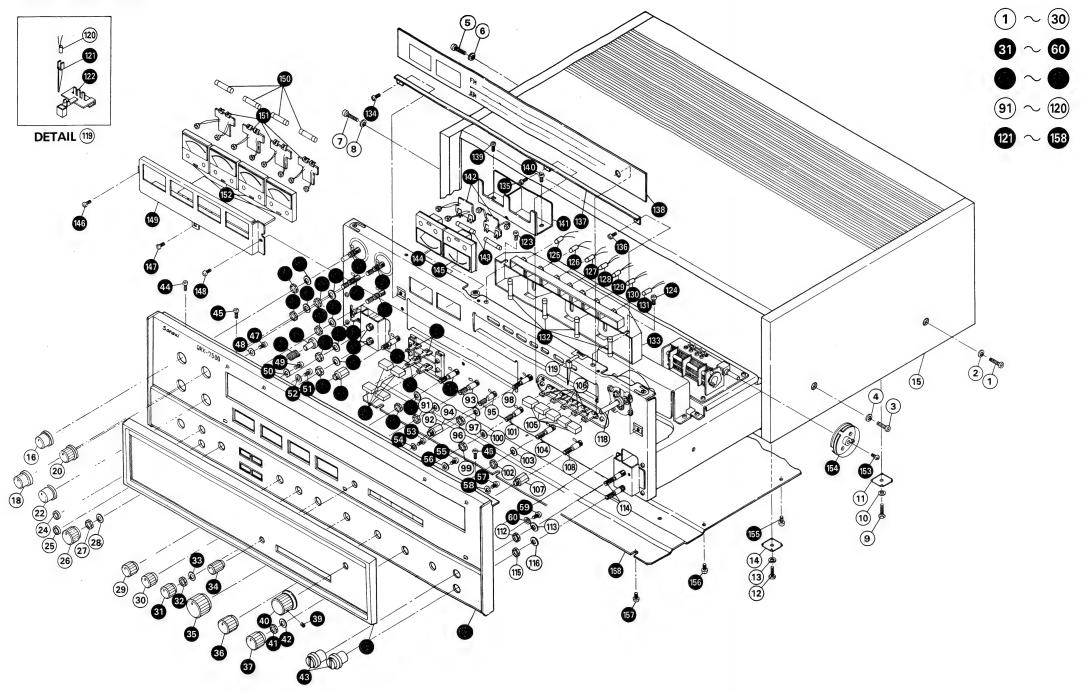
Parts No.	Stock No.	Description
119		Dial Pointer Ass'y
120	0400200	Pilot Lamp, lead type (6.3V 75mA)
121	5416300	Dial Pointer
122	5416300	Holder, dial pointer
123	5109122	Binding Head Tapping Screw, M3 × 8
124	5109122	Binding Head Tapping Screw, M3 × 8
125	0400300	Lead Type Lamp (7V 100mA),
		STEREO indicator
126	0400310	Lead Type Lamp (7V 100mA),
		PHONO-2 indicator
1 27	0400330	Lead Type Lamp (7V 100mA),
		PHONO-1 indicator

Parts No.	Stock No.	Description
128	0400300	Lead Type Lamp (7V 100mA),
		FM indicator
129	0400290	Lead Type Lamp (7V 100mA),
		AM indicator
130	0400320	lead Type Lamp (7V 100mA),
		AUX-1 indicator
131	0400310	Lead Type Lamp (7V 100mA),
	•	AUX-2 indicator
132	0420040 .	Fuse Type Lamp (7V 300mA)
133	5066211	Indicator Box
134	5109122	Binding Head Tapping Screw, M3×8
135	5109122	Binding Head Tapping Screw, M3×8

Parts No.	Stock No.	Description
136	5109122	Binding Head Tapping Screw, M3×8
13 <i>7</i>	5269240	Stopper, dial scale
138	5407940	Dial Scale
139	5109122	Binding Head Tapping Screw, M3×8
140	5109122	Binding Head Tapping Screw, M3×8
141	5269250	Holder, tuning & signal meter
142	7726050	Meter Lamp Unit
143	0420040	Fuse Type Lamp (7V 300mA)
144	4300740	Signal Meter
145	4300750	Tuning Meter
146	5109122	Binding Head Tapping Screw, M3 × 8
147	5109122	Binding Head Tapping Screw, M3 × 8

Parts No.	Stock No.	Description
148	5109122	Binding Head Tapping Screw, M3×8
149	5269261	Holder, level meter
150	0420040	Fuse Type Lamp (7V 300mA)
151	7726050	Meter Lamp Unit
152	4300860	Level Meter
153	5101123	Binding Head Screw, M2,6×6
154	6146670	Dial Pulley
155	5101161	Binding Head Screw, M4×6
156	5101161	Binding Head Screw, M4×6
157	5101161	Binding Head Screw, M4×6
158	5058100	Bottom Plate

6-4. Other Parts (Front Side)/QRX-7500A



Parts List

Parts No.	Stock No.	Description
1	5101173	Binding Head Screw, M4 × 45
2	5186110	Plain Washer, 4ϕ
3	5101173	Binding Head Screw, M4 × 45
4	5186110	Plain Washer, 4 ϕ
5	5101173	Binding Head Screw, M4 × 45
. 6	5186110	Plain Washer, 4 ϕ
7	5101173	Binding Head Screw, M4 × 45

Parts No.	Stock No.	Description
8	5186110	Plain Washer, 4 ϕ
9	5104571	Hexagon Head Bolts, M4 × 23
10	5121360	Spring Washer, 4 ϕ
11	5186091	Nail Washer
12	5104571	Hexagon Head Bolts, M4 × 23
13	5121360	Spring Washer, 4ϕ
14	5186091	Nail Washer

Parts No.	Stock No.	Description
15	5726821	Wood Case
16	5317850	S-2-S Type Knob, BASS volume
18	5317850	S-2-S Type Knob, BASS volume
20	5317850	S-2-S Type Knob, TREBLE volume
22	5317850	S-2-S Type Knob, TREBLE volume
24	5176052	Jack Nut
25	5176052	Jack Nut

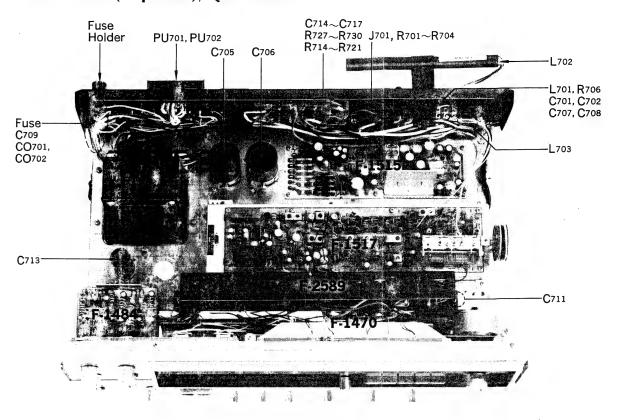
arts No.	Stock No.	Description
26	5317642	M-2 Type Knob, SPEAKER switch
27		Hex. Nut, M9
28		Plain Washel, 9 ϕ
29	5317652	S-2 Type Knob, BALAN CE volume
30	5317652	S-2 Type Knob, BALANCE volume
31	5317652	S-2 Type Knob, BALAN CE volume
32		Hex. Nut, M9



Parts No.	Stock No.	Description	Parts No.	Stock No.	Des
33		Plain Washer, 9 ϕ	97		Plain Washe
34	5317811	P-5 Type Knob, LEVEL SET volume	98	1060260,1	250k Ω (B)>
35	5317632	L-2 Type Knob, VOLUME	99		Hex. Nut, M
36	5317642	M-2 Type Knob, FUNCTION switch	100		Plain Washe
37	5317642	M-2 Type Knob, DIRECTION switch	101	1060240, 1	250k Ω (B)>
39	5106061	Hex. Socket Setscrew, M4×6	102		Hex. Nut, M
40	5317780	N-5 Type Knob, TUNING	103		Plain Washe
41		Hex. Nut, M9	104	1106130	Rotary Swite
42		Plain Washer, 9ϕ	105	5326380	Push Button,
43	5317860	Q-5 Type Knob, CD-4 SEPARATION Volume	106	1130750	Push Switch
44	5101043	Binding Head Screw, M3 × 6	107	5236491	Spacer Nut,
45	5101043	Binding Head Screw, M3 × 6	108	1105200	Rotary Swite
46	5101043	Binding Head Screw, M3 × 6	112		Hex. Nut, M
47	5101042	Binding Head Screw, M3 × 5	113		Plain Washe
48	5120141	Plain Washer, 3ϕ	114	1005110,1	50k Ω (B) SI
49	5101042	Binding Head Screw, M3×5	115		Hex. Nut, M
50	5120141	Plain Washer, 3ϕ	116		Plain Washe
51	5101042	Binding Head Screw, M3×5	118	7036361	Tuning Ass'y
52	5120141	Plain Washer, 3ϕ	119		Dial Pointer
53	5101042	Binding Head Screw, M3×5	120	0400200	Pilot Lamp, 1
54	5120141	Plain Washer, 3ϕ	121	5416050	Dial Pointer
55	5101042	Binding Head Screw, M3×5	122	5416300	Holder, dial
56	5120141	Plain Washer, 3ϕ	123 124	5109122	Binding Head
57	5101042	Binding Head Screw, M3×5	125	5109122	Binding Head
58	5120141	Plain Washer, 3ϕ	123	0400300	Lead Type Lo
59	5101042	Binding Head Screw, M3 × 5	126	0400310	Lead Type Lo
60	5120141	Plain Washer, 3ϕ			
	5308891	Smoked Plate Frame	127	0400330	Lead Type Lo
61	5047680	Smoked Plate	128	0400300	Lead Type Lo
62	7007190	Front Panel	0		2000 1, po 20
63	7106083	Push Button, POWER switch	129	0400290	Lead Type La
64	6906031	Spring, POWER switch	120	0.400000	
65		Hex. Nut, M11	130	0400320	Lead Type La
66		Plain Washer, 11 ϕ	131	0400400	Lead Type La
67	1010980, 1	100k Ω (B) $ imes$ 2 BASS Volume			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
68		Hex. Nut, M11	132	0420040	Fuse Type Lo
69		Plain Washer, 11 ϕ	133	5066211	Indicator Bo
70	1010980, 1	100k Ω (B) $ imes$ 2 BASS Volume	134	5109122	Binding Head
71		Hex. Nut, M11	135	5109122	Binding Head
72		Plain Washer, 11 ϕ	136	5109122	Binding Head
73	1010990, 1	100k Ω (W) $ imes$ 2 TREBLE Volume	137	526924 0 5407950	Stopper, dia Dial Scale
74		Hex. Nut, M11	138 139	5109122	Binding Head
75		Plain Washer, 11 ϕ	140	5109122	Binding Head
76	1010990, 1	100 k Ω (W) $ imes 2$ TREBLE Volume	141	5269250	Holder, tunir
77	1130350	Push Switch, POWER switch	142	7726050	Meter Lamp
78	1100000	Hex. Nut, M9	143	0420040	Fuse Type Lo
79		Plain Washer, 9ϕ	144	4300740	Signal Meter
80		Hex. Nut, M9	145	4300750	Tuning Mete
81		Plain Washer, 9 ϕ	146	5109122	Binding Head
82	2430200	Headphone Jack	147	5109122	Binding Head
83	5236491	Spacer Nut, M9	148	5109122	Binding Head
	1102500,1	Rotary Switch Y-2-2-4, SPEAKER switch	149	5269250	Holder, leve
84	5326380	'	1 <i>5</i> 0 1 <i>5</i> 1	0420040 7726060	Fuse Type Lo Meter Lamp
85		Push Button, LOW & HIGH FILTER switch	152	4300860	Level Meter
86	1130760 1130760	Push Switch (2 Stage)	153	5101123	Binding Head
87	1130/60	Push Switch (2 Stage)	154	6146670	Dial Pulley
88		Hex. Nut, M8	155	5101161	Binding Head
89	1010400 1	Plain Washer, 8ϕ	156	5101161	Binding Head
90	1010400, 1	250k Ω (HB) BALANCE Volume	1 <i>57</i>	5101161	Binding Hea
91		Hex. Nut, M8	158	505810 0	Bottom Plate
92	10/00==	Plain Washer, 8ϕ			
93	1060250, 1	250kΩ (HB)×4 BALANCE Volume			
94 95	5236461 1010400, 1	Spacer Nut, M8 250 (HB) BALANCE Volume			

escription her, 8ϕ)×4 LEVEL SET Volume M9)×4 VOLUME sher, 9ϕ vitch Y-6-12-5, FUNCTION switch n, accessory switch ch (5 Stage) t, M9 itch Y-5-13-5, SELECTOR switch M8 her, 8¢ SEPARATION Volume M8 her, 80 r Ass'y lead type (6.3V 75mA) al pointer ead Tapping Screw, M3imes8 ad Tapping Screw, M3×8 Lamp (7V 100mA), STEREO indicator Lamp (7V 100mA), PHONO-2 indicator Lamp (7V LOOmA), PHONO-1 indicator Lamp (7V 100mA), FM indicator Lamp (7V 100mA), AM indicator Lamp (7V 100mA), AUX indicator Lamp (6V 30mA), CD-4 indicator Lamp.(7V 300mA) ead Tapping Screw, M3imes8 ad Tapping Screw, M3×8 ad Tapping Screw, M3imes8 lial scale ead Tapping Screw, M3imes8 ead Tapping Screw, M3imes8 ning & signal meter . Lamp (7V 300mA) ead Tapping Screw, M3 \times 8 ead Tapping Screw, M3 \times 8 ead Tapping Screw, M3imes8 Lamp (7V 300mA) ead Screw, M2, 6×6 ead Screw, M4×6 ead Screw, M4×6 ead Screw, M4×6

6-5. Other Parts (Top Side)/QRX-7500A



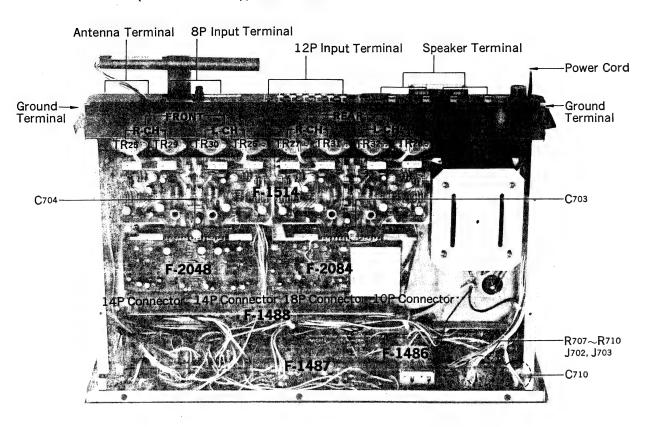
Parts List

Parts No.	Stock No.	Descri	otion	
C701	0657473	0.047/4F)		
C702	0657473	0.047 µF 50V	C.C.	
C705	0559107	10000 (F)		
C706	0559107	10000μF 35V	E.C.	
C707	0657473	0.047/tF)		
C708	0657473	0.047 µF 50V	C.C.	
C709	0605477	0.047 µF 250V	M.C.	
C711	0657473	0.047 μF)		
C712	0657473	$0.047 \mu F$ 50V	C.C.	
C713	0559501	1000/tF 63V	E.C.	
C714	0657391	390 pF)		
C715	0657391	390 pF	~ ~	
C716	0657391	390 pF (50V	C.C.	
C717	0657391	390 pF)		
_				
R701	0107104	100kΩ)		
R702	0107184	180kΩ (1/4W	C.R.	
R703	0107184	180k77		
R704	0.107104	100kΩ J		
R706	0111221	220Ω $\frac{1}{2}W$	S.R.	
R714	0107332	3.3kΩ)		
R715	0107563	56k Ω		
R716	0107332	3.3kΩ (½W	C.R.	
R717	0107563	56K11	O.M.	
R718	0107332	3.3kΩ		
R719	0107563	56k Ω)		

Parts No.	Stock No.	Description
R720	0107332	3.3kΩ)
R 721	0107563	56kΩ
R727	0107123	12kΩ ¼W C.R.
R728	0107123	12kΩ \ 1/4W C.R.
R729	0107123	12kΩ
R730	0107123	12kΩ)
	0431310	3.5A Power Fuse (220V~240V)
	0431290	6A Power Fuse (100 V ~117V)
	2300060	Fuse Holder
J701	2430040	DIN Connector
L701	4290030	1μH Coil
L702	4200550	Bar Antenna
	5266442	Bar Antenna Holder
	5287280	Bar Antenna Holder Case
L703	4290021	$75\Omega:300\Omega$ FM Balun
CO701	2450040	AC Outlet
CO702	2450040	AC Outlet
PT001	4002010	Power Transformer
PU701	2410091	Voltage Selector, Plug
PU702	2410830 .	Voltage Selector, Socket

36

6-6. Other Parts (Bottom Side)/ORX-7500A

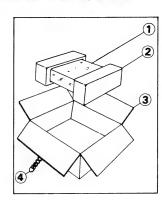


Parts List

Parts No.	Stock No.	Descr	iption
	(0305631, 2	2SC1030 (B, C)	
T R ₂₅	or	or	
	0305830, 1	2SC11:11 (O, R)	
	0305631, 2	2SC1030 (B, C)	
T R ₂₆	or	or	
	0305830, 1	2SC1111 (O, R)	
	0305631, 2	2SC1030 (B, C)	
T R27	or	or	
	0305830, 1	2SC1111 (O, R)	
	(0305631, 2	2SC1030 (B, C)	
TR28	or	or	
	0305830, 1	2SC1111 (O, R)	ĺ
	(0300551, 2	2SA756 (B, C)	Transisto
TR29	or	or	
	0300580, 1	2SA744 (O, R)	
	(0300551, 2	2SA756 (B, C)	
TR30	or	or	
	0300580, 1	2SA744 (O, R)	
	(0300551, 2	2SA756 (B, C)	
TR31	or	or	
	0300580, 1	2SA744 (O, R)	
	(0300551, 2	2SA756 (B, C)	
TR32	or	or	
	0300580, 1	2SA744 (O, R)	J
C710	0659801	0.01μF 1.4kV	C.C.

Parts No.	Stock No.	Description
R707	0202331	330Ω)
R708	0202331	330Ω 2W C.R.
R709	0202331	330Ω 2W C.R.
R 710	0202331	330Ω)
R722	0107104	100kΩ)
R723	0107104	100kΩ
R724	0107104	100kΩ (1/1/1 G 2
R725	0107104	100kΩ \ 1/4W C.R.
R726	0107102	lkΩ
R727	0107102	1kΩ)
J 702	2430200	Headphone Jack
J 703	2430200	Headphone Jack
	3800261	Power Cord
	2200340	8P Input Terminal
	2200360	12P Input Terminal
	2290170	Speaker Terminal
	2290160	Antenna Terminal
	2230050	Ground Terminal
	2420020	18P Connector
	2420030	10P Connector
	2420150	14P Connector

7. PACKING LIST



7-1. QRX-5500A

Parts No.	Stock No.	Description	
1	9116631	Vinyl Cover	
2	9027750	Stylofoam Packing	
3	9008430	Carton Case	
4	5996080	Curl Stopper	

7-2. QRX-7500A

Parts No.	Stock No.	Description
1	9116631	Vinyl Cover
2	9027750	Stylofoam Packing
3	9008440	Carton Case
4	5996080	Curl Stopper

8. ACCESSORY PARTS LIST

8-1. QRX-5500A

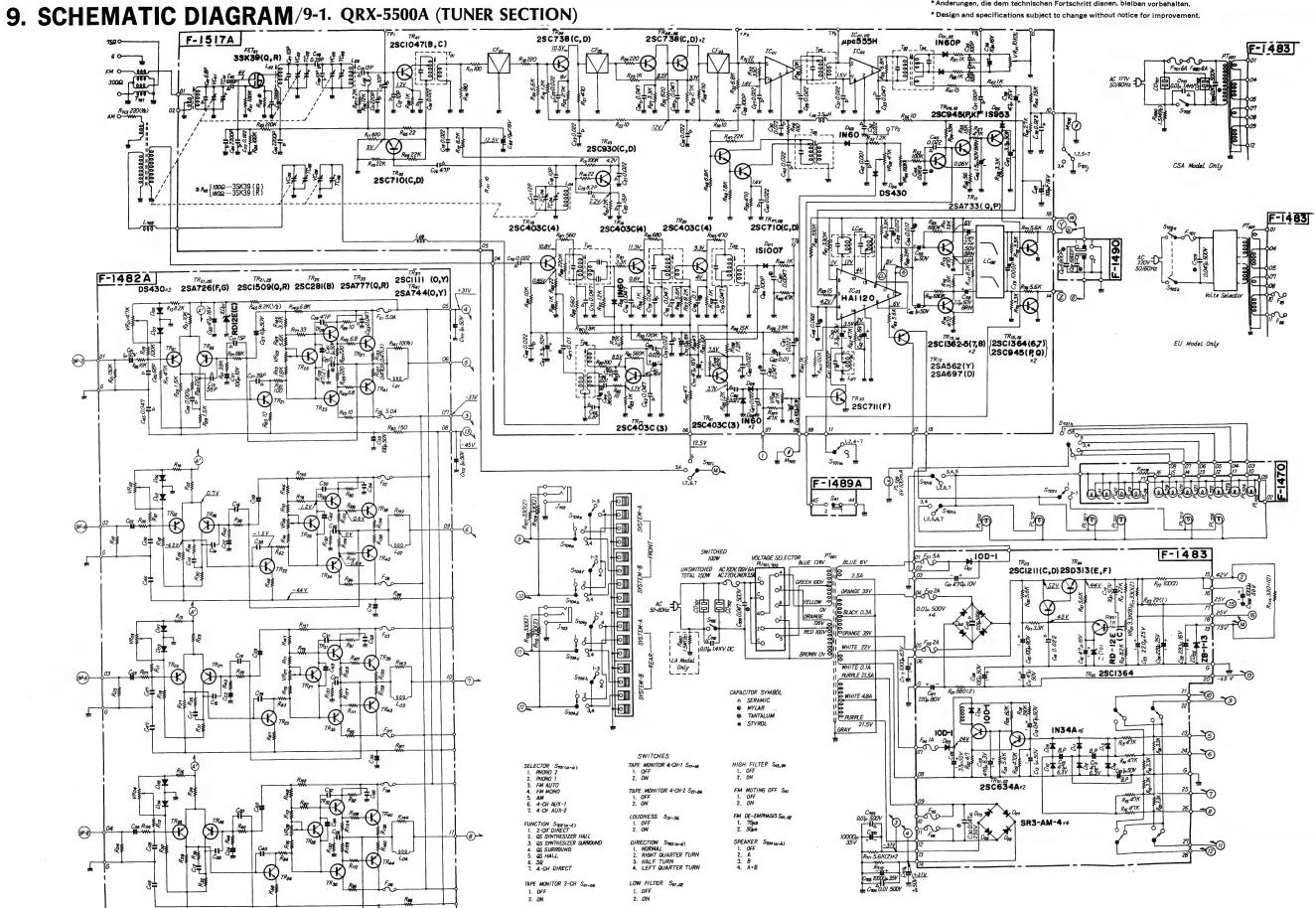
Stock No.	Description	
0433640	5A Quick Acting Fuse	
3820100	AM/FM Antenna	
9209320	Operating Instruction	
9237060	Schematic Diagram	
2410560	Short Pin Plug	

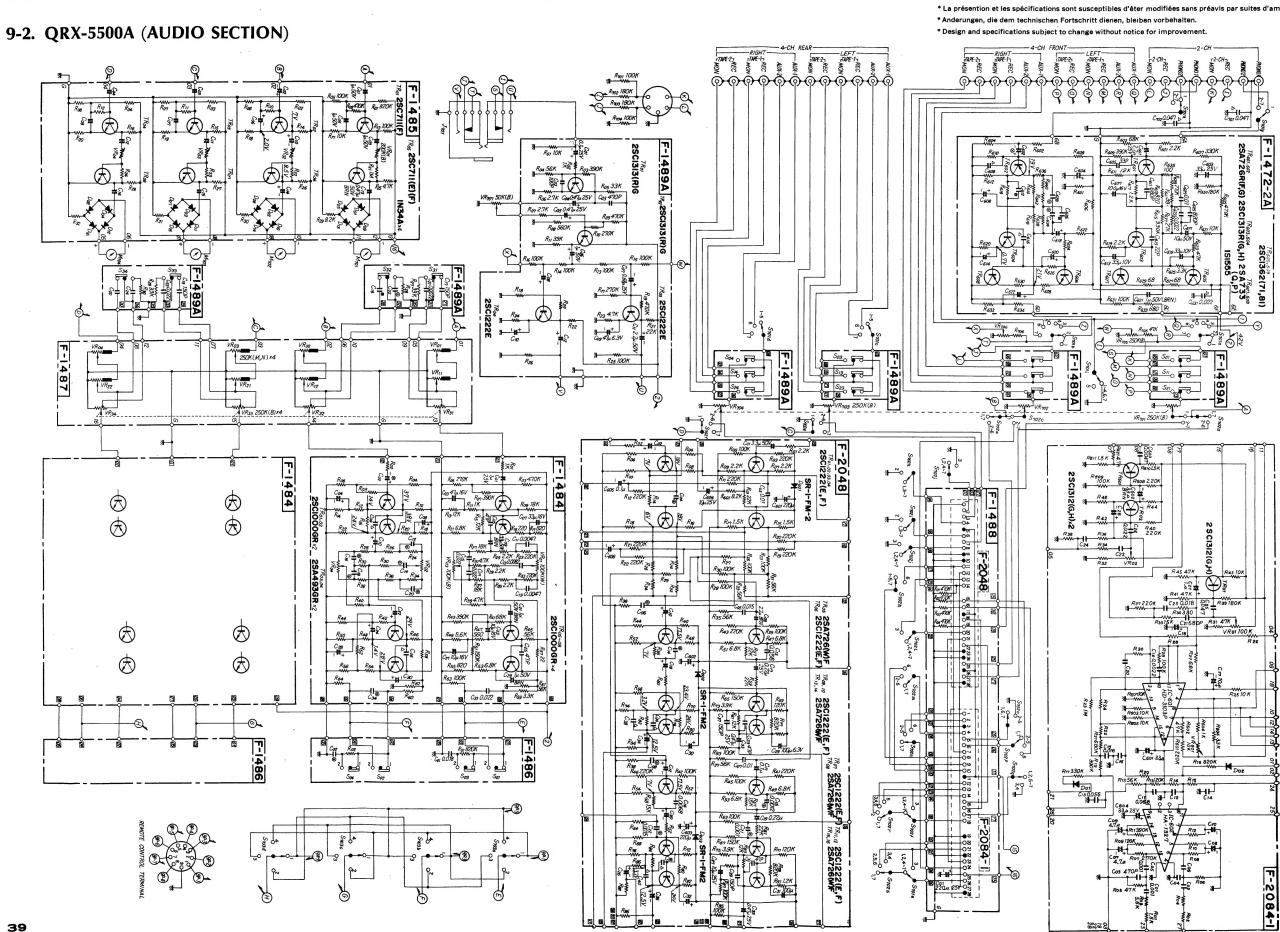
8-2. QRX-7500A

Stock No.	Description
0433640	5A Quick Acting Fuse
3820040	FM Antenna
9209310	Operating Instruction
9416010	CD-4 Adjustment Record
9237050	Schematic Diagram
2410560	Short Pin Plug



- - * Anderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.

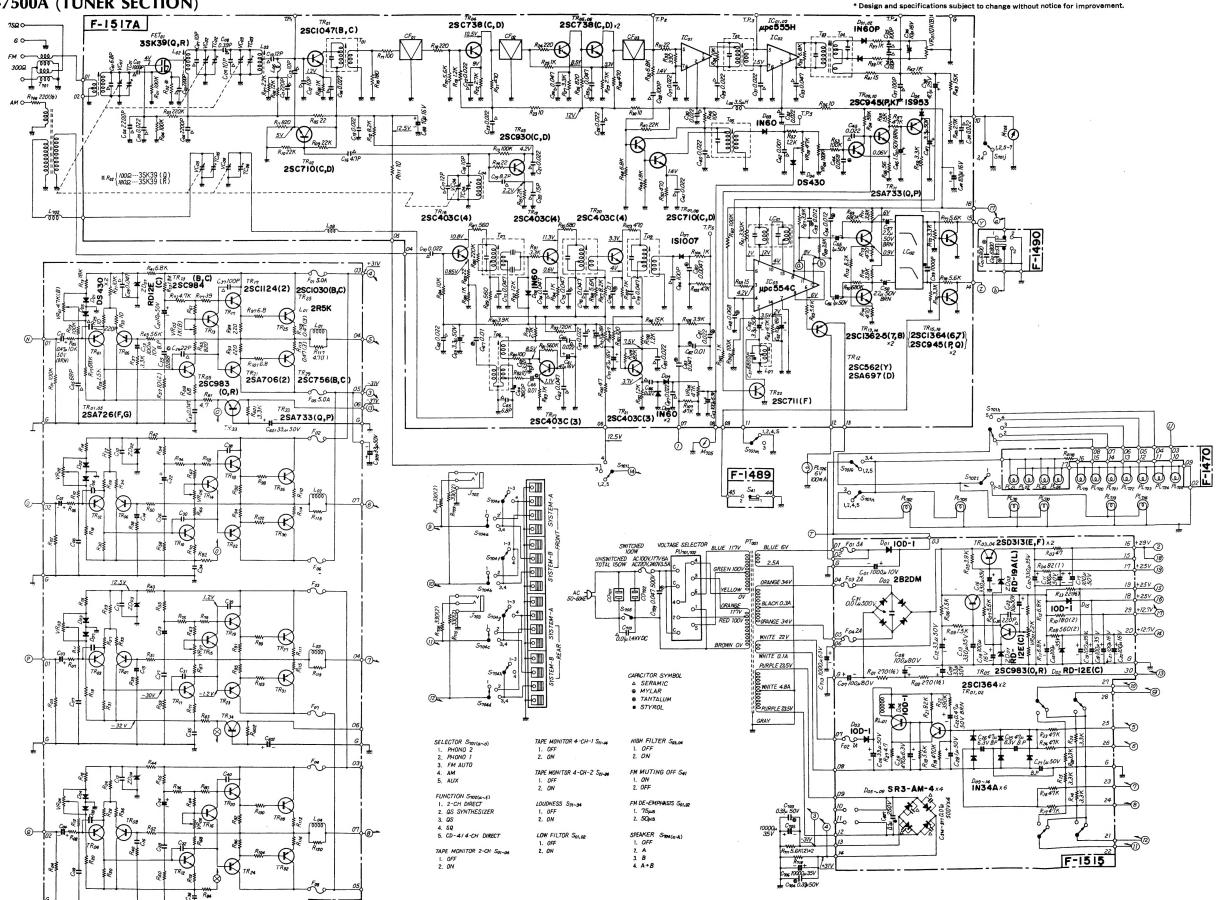


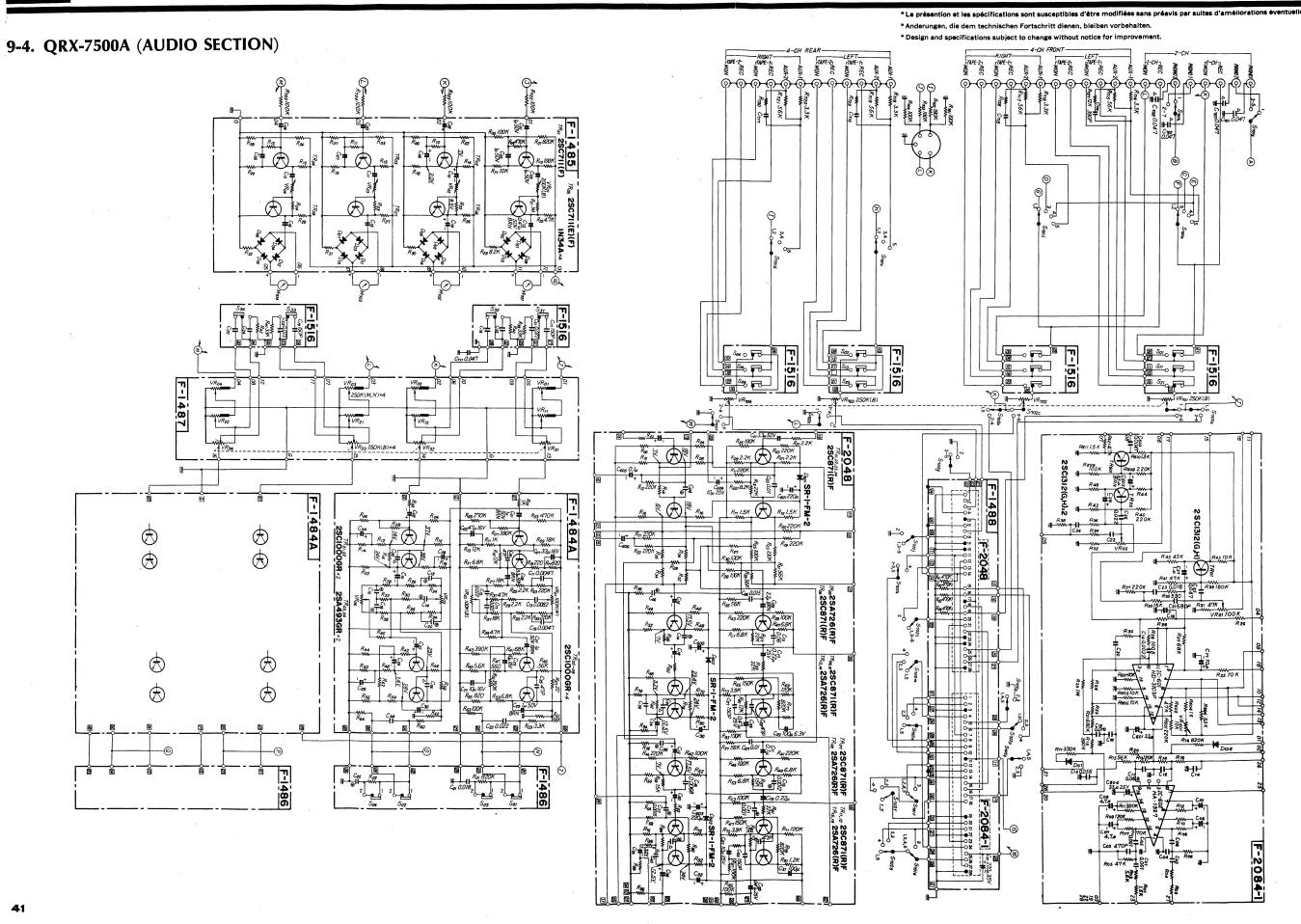




9-3. QRX-7500A (TUNER SECTION)

- * La présention et les spécifications sont susceptibles d'êter modifiées sans préavis par suites d'améliorations éventuelle
- * Anderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.





9-5. QRX-7500A EQUALIZER & CD-4 SECTION

